DWORSHAK NATIONAL FISH HATCHERY STEELHEAD BROODSTOCK RAW SPAWNING DATA – 1977

by

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Following are the Dworshak National Fish Hatchery raw spawning data for steelhead broodstock recorded by hatchery personnel in 1977, specifically from 2/22/1977 to 5/20/1977. Included are the original hatchery data forms (ADULT RECORD, 78 pages) as well as any handwritten summary notes (1 plus 13 pages, the only surviving records of marked fish). All information was stored by Dr. Ted Bjornn (University of Idaho, deceased) and transferred from Dr. Christine Moffitt (University of Idaho) to IDFG in 2012. The paper sheets were then digitally scanned and are in their original form. The original paper sheets are archived at Nampa Research Anadromous Ageing Laboratory (NRAAL) located in Nampa, Idaho.

Interpretation by this author and others of various terms and notes on the paper sheets are as follows:

- "SC" (e.g. pg. 3) followed by two numbers – the scale sample collected where the first number refers to the gum card itself and the second number refers to the location on the gum card where the scale sample was placed. Each gum card has 20 squares numbered sequentially. Acetate impressions were made of each gum card for ageing. Nampa Research has archived the original gum cards and the acetate impressions; digital images have been made of both.
- "Bone" (e.g. pg. 3) – the bone sample collected for tetracycline mark examination, boney structure used is unknown. The 1977 Dworshak NFH Annual Report does not mention these samples, but they are believed to have been collected concurrently with scale samples. None of the former samples remain.
- "1/2 D" (e.g. pg. 14) – dorsal fin was half-eroded. Also see "Good Dorsal" column (e.g. pg. 5), check marked if not eroded.
- "DIP" (e.g. pg. 93) – died or found dead in pond, the fish was not spawned.
- "Marked" (e.g. pp. 81-93) and "Unmarked" (e.g. pp. 3-80) – this is the sixth year that the data sheets were organized and fish were sequentially numbered accordingly. "Marked" fish codes include an "Ad" column for adipose fin clip (e.g. pg. 81), "JT" for jaw tag (e.g. pg. 81), and a number of different freeze brands or fin clips indicating smolt release strategies. See *Hatchery Evaluation – Fish Marking* sections of previous Dworshak NFH Annual Reports for a complete listing of all marks potentially encountered.
- For unmarked fish (i.e. pp. 3-80), yellow highlight indicates males, red pen denotes number of tetracycline bone marks, and green pen denotes number of scale saltwater annuli (see pg. 2 note).

The meaning or purpose of notes, abbreviations, or numbers that are not defined above were not determined during the review of these data.

JAN 31 1978

Ted -

Here's the spawning data from 1977.
On the data sheets for the unmarked fish:

- yellow overwriter for males
- red pen denotes tetracycline bone marks
- green pen denotes ocean years from scales

Bill - see me on these

1977
DNFH

Dworshak National Fish Hatchery

Adult Record Scale every 5 fish
Bone - every fish
Bone # = fish #

Date 2-22-77

Number	Sex	Fork Length Inches	Weight	Good Bone	Remarks
2-22-77	F F- F-	35.0	15.1		no samples taken - air spawned only U1 NO
2-28-77	F-	32.4	9.1		U2- SC 1-1 2
		31.4	9.3		
		32.2	9.3		
5	F-	32.6	10.4		SC 1-2 1+
	F- M- M-	25.5	4.8		
		27.5	6.8		
8 MAR	M-	26.4	6.3		
		25.5	5.4		SC 1-3 1+ (small fish sample)
10 (15 total samples)	M +2	26.9	7.2		SC 1-4 1 (small " ")
	M- M- M-	26.8	6.8		SC 1-5 1 (" " ")
		25.8	6.1		SC 1-6 1+ (" " ")
	M +2	26.2	6.3	✓	SC 1-7 1 (" " ")
		26.8	6.2	✓	SC 1-8 1+ (")
15	M-	25.8	5.9	✓	SC 1-9 1 (")
	M +2 M- M-	25.2	6.2		SC 1-10 1 (")
		25.5	5.4		SC 1-11 1 (")
	M-	26.5	6.2		SC 1-12 1+ (")
		29.8	8.2		SC 1-13 1 (")
20	M-	25.2	5.1	✓	SC 1-14 1 (")
	M- M +2 M-	27.4	7.0	✓	SC 1-15 1+ (")
		25.5	5.8	✓	SC 1-16 1+ (")
	F-	26.0	6.1	✓	SC 1-17 (") Bad Scale
		33.0	10.1	✓	SC 1-18 1+
25	F +	33.0	10.5	✓	SC 1-19 2
	M- M- M-	27.1	6.5		SC 1-20 1 (")
		26.6	6.3		SC 2-1 (") 1
15 MAR.	M-	25.2	5.9	✓	SC 2-2 (") 1
		24.5	5.3		SC 2-3 1
30	F-	34.3	12.0		SC 2-4 2

Silverhorn - Kelley

1977
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Dworshak National Fish Hatchery

Adult Record

Date 15 MAR 77

Number	Sex	Fork Length Inches	Weight	good Dor	Remarks
	F- F- F-	27.7	6.7	✓	SC2-5 1
	F-	32.2	9.2	✓	SC2-6 2
		25.0	4.5	–	SC2-7 1+
		24.0	4.5	✓	SC2-8 1+
35	F-	25.2	5.1	✓	SC2-9 1
	F- F- M-	25.5	5.0	–	SC2-10 1
		25.8	5.3	✓	SC2-11 1
3-22-77	M-	26.5	6.1	✓	SC2-12 1+
		26.0	6.1	✓	SC2-13 1+
40	M-	26.6	6.6	✓	SC2-14 1+
	M- M- M-	26.0	5.9	–	
		27.5	7.2	✓	
	M+2	24.8	5.4	–	
		28.0	7.0	–	
45	M-	26.4	6.0	–	SC2-15 1+
	M- M+2 M+2	24.0	4.9	–	
		25.5	5.3	✓	
	M-	27.4	7.0	–	
		35.5	14.9	–	SC2-16
50	M-	28.0	7.9	–	~~SC2-16~~ SC2-17 2
	M- M+ M+	27.5	7.6	–	
		27.3	6.6	✓	
	M+2	26.1	5.9		
		27.5	7.4		
55	M-	27.0	6.2	✓	SC2-~~17~~ 18 1+
	M- M- M-	27.7	6.9	✓	
	M-	25.9	6.0	✓	
		24.6	5.2	–	
		26.5	6.1	✓	
60	M-	27.2	7.2	✓	SC2-~~18~~ 19 1+

1977
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Dworshak National Fish Hatchery

Adult Record

Date 22 MAR

Number	Sex	Fork Length Inches	Weight	good dorsal	Remarks
	F- F- F-	32.5	9.0	—	
	M-	33.1	11.2	✓	
		31.2	8.0	—	
		26.6	6.3	—	
65	M-	25.5	5.6		SC 2-20 1+
	M- M- M-	24.2	4.4	—	
	M-	26.1	5.5	—	
		27.5	6.6	✓	
		26.5	6.5	—	
70	F -	32.7	10.4		SC3-1 2
	M- M- M-	26.0	5.7	—	
		26.2	5.8	—	
	F-	26.7	6.6		hooking scar
		30.3	7.9		
75	M +2	26.9	6.2		SC3-2 1+
	M- M- M+	24.9	5.4	—	
	M-	25.2	5.5	—	
		26.5	6.3	✓	
		27.0	6.4	—	
80	M -	26.9	6.8		SC3-3 1+
	M+ F- M+	25.5	5.4	—	
		30.0	8.0	✓	
	M-	26.3	6.3		
		25.4	5.5		
85	M -	24.8	5.0	✓	SC3-4 1
	F- M- M+	26.0	5.4	—	
	M-	28.6	7.3	✓	
		26.8	6.5		
		26.0	6.4		Not spawned - aquarium
90	M -	25.5	5.5	✓	SC3-5 1+

1977
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Adult Record

Date 3-22-77

Number	Sex	Fork Length Inches	Weight	Good dorsal	Remarks
	M M M	26.0	5.7		
	F	25.7	5.3		
		26.9	5.9		
		29.5	7.8		
95	M	26.5	6.2	✓	SC3-6 1
	M M M	26.5	5.6	✓	
	M	25.8	5.7		
		26.1	6.2		
		25.9	5.4		
100	M	26.6	6.2		SC3-7 1
	F F F	26.4	5.4		
	F	31.8	8.4		
		31.5	8.5		
		25.3	4.8		
105	F	33.6	10.2		SC3-8 2
	F M M	29.6	8.9		
	M	25.0	5.4		
		24.8	5.8		
		27.7	7.2		
110	M	26.0	5.8		SC3-9 1+
	F F M	31.9	9.2		
		31.9	9.5		
	M	26.7	6.0		
		25.7	5.5		
115	M	27.4	6.6		SC3-10 1+
	M M M	25.9	6.0		hooking scar
	M	25.2	5.9		
		25.2	5.1		
		24.4	5.0		
120	M	25.8	5.9		SC3-11 1

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Adult Record

Date 3-22-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M- M- M-	24.6	4.8		
	M-	28.1	7.1		
		26.1	6.3		
		26.6	6.4		hooking scar
125	M	26.2	6.2		SC3-12 1+
	M- M- M-	26.5	6.0		(1/2 Dorsal)
	M-	26.5	6.1		
		24.9	5.2		
		25.2	5.8		
130	M -	26.1	5.8		SC3-13 1+
	M- M- M-	24.9	5.2		
3-29-77	M	26.5	5.5		
		27.4	7.2		
		25.3	5.5		
135	M +2	25.5	5.4		SC3-14 1+
	M M M	25.4	6.0		
	M	26.1	5.9		
		25.2	5.8		
		25.8	5.9		
140	M -	25.3	5.7		SC3-15 1
	M M M	26.0	5.8		
	M	25.9	6.2		
		27.5	6.8		
		33.5	11.8		
145	M +2	25.9	6.2		SC3-16 1+
	M M M	26.6	7.2		
	M	25.6	5.0		
		26.6	6.1		
		25.6	5.8		
150	M +2	27.0	7.1		SC3-17 1+

Dworshak National Fish Hatchery

Adult Record

Date 3-29-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	27.7	7.0		
	M — —	26.1	6.3		
	— — —	25.8	5.8		
		25.2	5.5		
155	M —	27.0	6.4		SC 3-18 1+
	F F F	31.9	9.2		
	M — —	30.7	8.0		
	— — —	30.9	7.7		
		23.5	4.3		
160	F —	31.8	8.8		SC 3-19 2
	M F F	25.4	5.5		
	M — —	33.1	8.9		
	— — —	32.9	11.3		
		24.0	4.7		
165	F —	26.2	5.1		SC 3-20 1+
	M M M	26.3	6.0		
	F — —	27.6	7.1		
	— — —	24.5	4.7		
		32.1	9.5		
170	F +	33.0	10.4		SC 4-1 2
	F M F	32.2	9.9		
	F — —	24.6	5.1		
	— — —	32.0	9.4		
		29.9	9.0		
175	M —	25.3	5.3		SC 4-2 1+
	M M M	25.0	5.6		
	M — —	25.7	6.0		
	— — —	28.3	7.8		
		26.0	6.0		
180	M +	25.4	5.8		SC 4-3 1

Dworshak National Fish Hatchery

Adult Record

Date 3-29-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M* M	25.0	5.0		* Severe hooking scar
	M — —	23.9	4.6		
	— — —	27.1	6.9		
		24.3	4.5		
185	M +2	28.4	6.9		SC4-4 1
	M M M	22.9	4.3		
	M — —	25.0	4.9		
	— — —	25.9	5.5		
		25.0	5.0		
190	M —	25.9	6.0		SC4-5 1
	M M F	25.0	5.6		
	F — —	28.3	8.8		
	— — —	29.8	8.2		
		32.0	9.2		
195	F —	30.7	8.8		SC4-6 2
	F M F	34.2	11.5		
	F — —	25.3	5.4		
	— — —	31.2	8.0		
		29.3	6.5		
200	— M	25.4	6.2		SC4-7 1
	F F F	34.6	11.5		
	F — —	32.6	9.3		
	— — —	33.0	10.0		
		25.0	4.5		
205	— F	30.9	8.7		SC4-8 BAD SCALE
	M M F	26.2	6.0		
	M — —	25.3	5.8		
	— — —	31.5	8.5		
		25.6	5.7		
210	— M	26.0	6.4		SC4-9 1+

Dworshak National Fish Hatchery

Adult Record

Date 29 March 77

Number	Sex			Fork Length Inches	Weight		Remarks
	M	M	M	25.4	5.2		
	M	—	—	27.5	7.1		
	—	—	—	25.9	5.5		
				25.5	5.8		
215	—	M		24.9	5.5		SC4-10 1
	M	M	M	25.0	5.5		
	F	—	—	23.3	4.4		
	—	—	—	25.0	5.8		
				35.5	13.7		
220	—	F		31.8	9.7		SC4-11 2
	F	F	F	32.5 [redacted]	9.8		
	F	—	—	36.5	14.5		
	—	—	—	30.7	8.4		
				34.6	13.4		
225	—	F		30.3	7.5		SC 4-12 2
	F	F	F*	31.8	9.9		
	F	—	—	25.6	5.0		
	—	—	—	31.8	11.7		Unspawned (Bloody)
				31.7	9.0		
230	—	M		27.0	6.5		SC4-13 1
	M	M	F	25.4	5.9		
	F	—	—	26.3	6.1		
	—	—	—	26.3	5.3		
				31.7	9.5		
235	+2	M		24.8	5.5		SC4-14 1
	M	M	M	25.0	5.3		
	M	—	—	26.2	6.2		
	—	—	—	26.5	5.7		
				25.3	5.6		
240	M +			24.6	5.3		SC4-15 1

Dworshak National Fish Hatchery

Adult Record

Date 29 March 77

Number	Sex	Fork Length Inches	Weight		Remarks
	F M M	32.6	9.9		
	M — —	27.6	7.3		
	— — —	26.0	5.4		
		26.0	6.3		
245	— F	24.6	4.2		SC-4-16 1
	F F M	33.2	10.2		
	M — —	32.2	10.7		
	— — —	26.5	6.7		
		26.7	5.9		
250	— F	32.8	10.4		SC4-17 2
	M M M	25.8	6.0		
	M — —	25.0	5.3		
	— — —	27.8	7.3		
		26.0	6.2		
255	— F	31.7	10.2		SC4-18 2
	M M F	26.6	6.6		
	F — —	26.0	5.8		
	— — —	32.2	10.4		
		29.9	7.8		
260	— M	26.0	6.3		SC 4-19 1+
	M M M	25.3	5.7		
	F — —	24.6	5.3		
	— — —	25.4	5.7		
		29.7	8.0		
265	— F	32.0	9.7		SC 4-20 2
	F M M	26.0	5.4		
	M — —	24.7	5.3		
	— — —	27.1	7.0		
		23.8	4.9		
270	— F	31.0	8.4		SC 5-1 2

Dworshak National Fish Hatchery

Adult Record

Date 29 March 77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F F	31.1 33.1 26.0 31.6	7.5 11.7 5.1 9.4		
275	– F	30.5	7.6		SC 5-2 2
	M M F M	26.4 25.7 25.4 26.0	6.2 5.8 5.1 5.6		
280	F –	32.1	10.0		SC 5-3 BAD SCALE
	M F M M	27.4 32.0 27.3 25.8	6.8 9.8 7.3 5.7		
285 0	– M	25.7	5.9		SC 5-4 1+
	M M M M	26.5 26.4 26.3 25.6	6.4 6.8 5.7 6.8		
290 0	+2 M	25.7	6.0		SC 5-5 1+
	M M M M	27.5 26.7 25.9 24.9	6.5 6.2 6.0 5.4		
295 0	– F	31.4	9.5		SC 5-6 2
	M M M M	25.4 24.7 24.5 25.0	5.5 5.2 5.3 5.0		
300 0	– F	31.6	8.8		SC 5-7 2

Dworshak National Fish Hatchery

Adult Record

Date 30 MARCH 77

Number	Sex	Fork Length Inches	Weight	Good Eye	Remarks
	M F F	24.9	5.5		
	M	31.2	8.2		
		32.2	9.5		
		27.0	6.9		
305	– F	31.5	8.9		SC 5-8 2
	M M M	27.2	6.8		
	F	25.2	5.9		
		24.8	5.2		
		33.0	10.0		
310	– F	31.3	8.7		SC 5-9 2
	F F F	33.6	9.2		
5 APRIL	M	35.7	12.9		
		30.7	8.4		
		27.8	7.4	✓	
315	F –	31.5	9.6		SC 5-10 2
	– F – M – F	30.0	8.3	✓	
	– F	31.9	10.5		
		33.5	11.6		
		32.1	9.8		
320	F –	33.9	13.3		SC 5-11 2
	– M – M – F	27.0	7.0		
	– F	26.0	6.0		
		31.7	9.6		
		33.7	9.9		
325	F –	32.7	9.7		SC 5-12 2
	– F + F – F	34.3	11.4		
	– M	31.8	9.6		
		31.7	9.4		
		27.0	6.4		
330	F –	32.1	8.9		SC 5-13 2

II to Raw
4-5 am

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F+ F- M-	31.8	8.4	✓	
	F-	31.4	9.5		
		34.7	14.1		
		31.9	10.2		
335	F -	31.0	8.9		SC 5-14 2
	M- F- F-	24.0	4.7		
	F-	31.4	9.6		
		31.7	8.3		
		30.5	8.6		
340	F -	32.8	9.9		SC 5-15 ½ D 2
	M - F -	24.0	4.7		
+9 341?	F-	35.0	14.2		
		31.0	9.0		
		31.9	9.5		
345	F -	31.9	9.7		SC 5-16 2
	M- M- M-	26.6	6.8		
	+2 M	25.7	5.9		
		26.3	6.4		
		25.5	5.4		
350	F -	33.0	10.1		SC 5-17 2
	M- F- F-	25.7	5.3		
	M-	33.8	11.9		
		30.8	8.5	✓	
		26.5	6.5		
355	F -	31.4	10.1	✓	SC 5-18 2
	M- F- F-	27.2	6.7	✓	
	M-	31.0	9.1	-	
		27.3	6.2	✓	
		26.7	6.5	✓	
360	M -	25.3	5.4	✓	SC 5-19 1

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F M	31.8 33.0 33.8 26.0	9.1 9.7 11.3 5.8		
365	F	31.2	9.5		SC 5-20 2
	F F F M	33.9 33.2 31.7 33.0	10.8 10.1 9.6 12.3	✓	
370	M	35.9	15.9		SC 6-1 2
	F F M M	31.8 33.2 28.3 32.0	9.8 11.4 8.1 11.6	✓	hook scar
375	F	30.3	8.5		SC 6-2 2
	F M F M	31.1 24.6 34.0 27.1	8.9 5.2 12.8 7.2	✓ ✓	
380	F	32.7	10.0		SC 6-3 2
	M M F M	26.7 26.9 30.7 27.5	6.7 6.9 8.6 6.4	✓ ✓	
385	F	31.9	9.9		SC 6-4 2
	M F M F	29.6 31.4 28.2 31.4	8.3 9.3 7.5 8.9	✓ ✓	
390	F	33.3	12.4		SC 6-5 2

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F⁻ M⁺² M⁻ M⁺²	33.6 27.7 26.5 25.0	10.3 7.4 6.1 4.9	✓	
395	M +2	25.6	6.3	✓	SC 6-6 1+
	M⁻ M⁻ M⁻ F⁻	26.6 25.6 26.4 32.3	6.3 5.8 6.3 9.8	✓	
400	M⁻	35.5	12.5		SC 6-7 2
	F⁻ M⁻ F⁻ M⁻	32.2 26.7 32.5 27.9	9.6 6.7 10.2 7.0	✓ ✓	
405	M⁻	25.7	5.5	✓	SC 6-8 1
	F⁻ F⁻ M⁺² M⁺²	30.7 33.2 28.2 26.2	8.4 10.6 7.5 6.1	✓ ✓	
410	M⁻	25.0	5.1	✓	SC 6-9 1
	F⁻ F⁻ 1:30 M⁺² F⁻	32.4 31.5 26.0 32.0	9.6 8.8 5.9 9.2	✓	
415	M⁻	26.6	6.3	✓	SC 6-10 1+
	M⁻ F⁻ F⁻ M⁻	27.0 31.4 33.0 25.8	6.6 10.3 11.5 5.1	✓	
420	F⁻	31.3	8.5	✓	SC 6-11 NO SCALES

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M⁻ F⁻ E⁻	26.8	7.0	✓	
	M⁻	31.4	10.1		
		31.9	10.6		
		27.5	7.0		
425	F⁻	33.5	9.8		SC 6-12 2
	M⁻ M⁻ M⁻	27.8	7.3	✓	
	F⁻	34.0	14.3	—	
		26.0	6.0	✓	
		33.1	10.2	✓	
430	M +2	28.8	7.5	✓	SC6-13 1+
	M⁻ M⁻ M⁻	27.4	7.1		
	M +2	27.5	7.0		
		26.1	6.6	✓	
		25.0	5.3		
435	M +2	27.3	7.2	✓	SC6-14 1+
	F⁻ F⁻ M⁻	26.0	5.5	✓	
	F⁻	34.0	12.2	✓	
		27.3	6.8		
		31.0	7.7		
440	M⁻	26.2	6.3	✓	SC6-15 1+
	M⁻ F⁻ M⁻	27.2	6.9	✓	
	M⁻	31.0	9.0		
		26.2	6.2		
		25.4	4.5	✓	
445	M⁻	27.0	7.2		SC6-16 1+
	F⁻ M⁻ F⁻	30.7	9.7		
	F⁺	26.3	6.2	✓	
		32.3	10.7		
		32.4	9.5	✓	
450	F⁻	32.3	9.2		SC 6-17 2

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	+2 M F- F+	28.5	6.9		
	F+	29.9	7.6	✓	
		35.2	12.8	✓	
		32.8	10.3	✓	
455	F-	28.6	7.1		
	M- M- M-	28.4	8.1		
	M-	27.0	7.0		
		27.0	6.6		
		25.8	5.8		
460	M-	28.1	7.6	✓	SC 6-18 1+
	M- F- M-	23.8	4.6	✓	
	M-	32.0	9.4		
		27.9	7.6		
		27.0	6.7		
465	M +2	27.7	7.3		
	M- M- F-	27.5	7.4		
	M-	27.2	6.7	✓	
		32.6	10.7		
		28.1	7.3		
470	M +2	27.4	7.5		SC 6-19 1
	M+2 M- F-	24.7	5.0		
	M-	26.7	6.2		
		32.0	8.6	✓	
		26.0	5.7		
475	M-	25.9	5.8		
	F- M- M-	30.0	8.2		
	M-	26.1	6.1	✓	
		26.1	6.7		
		25.6	5.2		
480	M-	27.0	7.6	✓	SC 6-20 2

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M F M	26.3 26.5 34.6 25.9	5.8 6.4 11.8 6.2	✓ ✓	
+ 485	M	25.2	5.7		
	M M F F	28.8 26.5 31.0 31.5	7.6 7.1 9.5 8.3	✓	
490	F	31.2	8.2		SC 7-1 2
	M M M M	28.7 25.0 25.9 25.5	7.9 4.9 5.8 5.9	✓ ✓ ✓	
495	M	25.7	5.1		
	F M+2 M F	31.0 26.7 26.2 33.8	9.0 6.5 5.8 10.5	✓ ✓	
500	F	31.9	10.0	✓	SC 7-2 2
	M M+1 M M+1	26.2 26.4 37.5 34.2	5.7 5.9 16.8 16.4	✓	
505	M	25.1	5.7	✓	
	M+2 M M F	27.3 26.2 34.8 33.7	6.7 6.3 14.6 11.5	✓ ✓	
510	M	25.0	5.4		SC 7-3 BAD SCALES

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M⁻ F⁻ M⁻	27.7	7.1	✓	
	+M	33.5	10.8	✓	
		27.6	5.9		
		25.3	5.5		
515	M⁻	34.5	13.2		
	x2M M⁻ +1M	26.0	6.5	✓	
	F⁻	27.6	7.4	✓	
		27.2	7.1		
		31.2	9.2		
520	M⁻	27.0	6.9		SC7-4 2
	M+2 M⁻ M+2	27.4	6.5		
	M+1	28.0	7.5	✓	
		27.6	6.4		
		28.3	7.3	✓	
525	M +2	26.0	5.9		
	F⁻ M+1 M⁻	31.4	10.0	✓	
	M⁻	28.2	7.1	✓	
		26.9	6.6		
		26.8	6.6	✓	
530	M⁻	25.0	5.3		SC7-5 1+
	M+2 M⁻ M⁻	26.0	5.9		
	M⁻	26.0	5.5	✓	
		26.0	6.3		
		25.5	5.5		
535	M⁻	27.0	6.9	✓	
	+2M M+2 +1M	26.0	5.9		
	+2M	25.5	6.0		
		27.0	6.5		
		26.4	5.7	✓	
540	M⁻	25.9	6.2	✓	SC7-6 1+

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M- M- M+2	26.4	6.6	✓	
	M-	26.6	6.1	✓	
		25.5	5.3		
		25.9	5.8	✓	
545	M-	26.4	6.5	✓	
	M- M- M-	23.4	4.4		
	M-	26.0	6.2		
		25.6	5.8	✓	
		25.7	6.0		
550	F-	25.3	5.0		SC 7-7 1+
	M- M- M-	26.0	5.6	✓	
	M-	26.3	5.8		
		25.6	5.7		
		26.3	5.6	✓	
555	M-	25.0	5.3	✓	
	M- M- M-	26.0	5.4	✓	
	M-	26.6	6.5	✓	
		26.5	6.5		
		24.0	4.6		
560	M-	26.8	6.0	✓	SC 7-8 1+
	M- M+2 M-	27.2	6.2		
	M-	26.5	6.1	✓	
		26.9	6.7		
		26.2	6.5	✓	
565	M-	27.3	7.3		
	M- M- M-	26.9	6.9		
	M-	27.0	7.0		
		26.4	6.2		
		24.1	4.7		
570	M-	25.5	6.7	✓	SC 7-9 1+

Dworshak National Fish Hatchery

Adult Record

Date 4-5-77

Number	Sex	Fork Length Inches	Weight		Remarks
	+2 M, M +2, M −	25.5	5.9	—	
	M −	25.0	5.3	—	
		25.7	5.4	✓	
		25.8	5.5		
5756	M −	26.3	6.0		
	− M, − F, F −	25.8	5.9		
		29.8	8.2		
4-12-77	M −	31.2	8.7		
		26.5	6.5		
580	F −	34.2	12.5		SC 7-10 2
	− F, +2 M, − F	32.2	10.1		
	− F	26.8	6.3		
		31.4	9.5		
		31.8	9.4		
5854	F −	33.2	10.2		
	− M, − F, − M	35.3	13.6	✓	
	− F	31.8	10.2		
		31.4	9.7		
		31.5	8.6		
590	M −	32.4	11.5		SC 7-11 2
	− F, − F, − M	31.6	9.1	✓	
	− F	24.9	4.4		
		25.9	6.0	✓	
		31.0	9.3		
5954	M −	25.3	5.4	✓	
	− F, − F, − M	33.7	11.3		
	− F	32.1	9.2		
		28.1	7.3		
		33.2	11.0		
600	F −	33.3	11.5		SC 7-12 2

Dworshak National Fish Hatchery

Adult Record

Date 4-12-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F − M − F −	29.9	7.2		(1/2 D)
	M −	26.9	6.9	✓	
		34.2	13.3		
		26.5	6.4		
605	F −	33.0	11.0	✓	
	F − M − M −	31.0	7.6	✓	
	F −	25.6	6.1		
		27.5	6.7		
		33.5	10.3	✓	
610	F −	33.7	10.2		SC 7-13 2+
	F − F − F −	33.0	11.5		
	M −	32.0	11.6		
		32.3	10.3		
		33.5	11.7		
615	F −	30.8	8.4		
	M − F − F −	27.0	6.4	✓	
	F −	31.2	9.7		
		32.3	9.2		
		31.0	9.0		
620	F + (treatment (malcolochitanta)	33.2	13.2		SC 7-14 2
	M − M +2 F −	25.5	5.5		
	M +2	25.7	5.9		
		32.6	10.1		
		27.3	7.1		
625	F +	31.5	10.0	✓	
	F − F − M −	34.6	11.7		
	M +2	29.3	7.1		
		26.2	5.9		
		27.0	7.0		
630	M −	27.4	6.4		SC 7-15 1+

Dworshak National Fish Hatchery

Adult Record

Date 4-12-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F⁻ M⁻ M⁺	31.9	9.2		
	M⁻	26.0	6.3		
		24.5	4.7		
		26.5	5.8		
635	M⁻	25.5	5.5		
	+2 F M⁻ F⁻	25.0	4.9		
	F⁻	26.4	6.5	✓	
		30.9	8.9		
		32.3	11.3		
640	M+2	26.8	6.0		SC 7-16 1+
	+2 M F⁻ F⁻	26.0	6.4	✓	
	F⁻	33.0	9.4		
		32.2	9.4		
		30.0	7.5		
645	F⁻	37.7	15.1		
	M⁻ M⁻ F⁻	36.0	15.7	✓	
	F⁻	35.6	15.6	✓	
		32.5	9.8		
		33.4	12.8		
650	F⁻	33.2	13.3		SC 7-17 2
	F⁻ F⁻ M⁻	34.0	11.5		
	M⁻	31.2	9.9	✓	
		32.3	11.8		
		27.0	6.0		
655	F⁻	31.5	9.5		
	F⁻ F⁻ M⁻	33.5	11.5	✓	
	F⁻	30.0	7.8		
		27.0	6.7		
		32.6	9.8		
660	F⁻	30.7	8.6	✓	SC 7-18 2

Dworshak National Fish Hatchery

Adult Record

Date 4-12-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F⁻ M⁻ F⁻	31.9	9.4		
	F⁻	34.1	15.5		
		30.6	9.0		
		27.0	6.5		
665	F⁻	32.2	9.9		
	M⁻ F⁻ M+2	29.1	8.2	✓	
	M+2	33.5	11.5		
		26.8	6.3		
		26.0	6.0	✓	
670	M⁻	35.2	15.1		SC 7-19 2
	F⁻ F⁻ F⁻	33.2	10.7	✓	
	F⁻	33.2	11.7	✓	
		30.3	8.2		
		31.0	8.9		
675	F	31.0	9.5		
	+2 M F⁻ M⁻	25.5	6.2		
	F⁻	31.2	10.6	✓	
		26.5	6.2		
		33.6	10.9		
680	F⁻	36.3	15.5		SC 7-20 3
	F⁻ F⁻ F+	32.4	10.1		
	F⁻	32.1	10.1		
		31.8	8.5	✓	
		35.0	13.5		
685	F⁻	33.3	11.9		
	F⁻ M⁻ F⁻	31.2	10.2		
	M⁻	25.3	5.9	✓	
		32.0	10.6		
		28.7	7.4	✓	
690	F⁻	32.0	10.1		SC 8-1 2

Dworshak National Fish Hatchery

Adult Record

Date 4-12-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F+ M- M-	34.5	12.1		
	M-	26.0	6.1		missing j.t.
		27.6	6.9		
		26.6	7.3	✓	
695	M +2	26.0	5.7		lunch
	M+ M- M-	24.8	4.8		
	M-	25.1	5.7		
		26.0	5.7		
		28.9	7.9		
700	M -	25.2	5.7		~~SC 8-2 No Scale~~
	F- F- F-	32.7	12.2		
	F-	30.9	8.7		
		33.5	10.5		
		29.7	7.6		
705	F-	31.3	9.0		
	F- M+ F+	31.1	8.4		
	M-	26.3	6.4		SC 8-2 (1)
		38.7	19.3		
		25.0	5.5	✓	
710	M -	25.7	5.4		SC 8-3 1+
	F+ M- M-	32.0	10.4		
	M+	25.7	5.9		
		26.5	5.8		
		27.7	7.9		
715	F-	33.5	10.9		
	F- M- M-	33.3	11.1		
	F-	25.0	4.9		
		26.8	6.7		
		31.2	8.6		
720	F -	31.4	9.3		SC 8-4 2

Dworshak National Fish Hatchery

Adult Record

Date 4-12-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F F	35.1	14.1		
	M	32.1	9.4		
		33.6	10.3	✓	
		25.0	5.6		
725	F	31.2	9.6		
	M F F	37.0	17.9		
	M	32.1	10.7		
		33.3	13.0		
		31.2	9.0		
730	M	36.0	16.5		SC 8-5 3
	F F M	30.2	8.4		
	F	32.5	9.7		
		26.7	6.2		
		31.8	9.5		
735	F	31.8	9.6		
	F F F	33.2	11.2		
	F	33.9	11.6	✓	
		31.2	8.9	✓	
		~~[illegible]~~ 31.8	9.5		
740	F	33.0	11.5		~~SC 8-6~~
	M[B] M M[B]	26.0	5.5		SC 8-6 1+
	M	25.6	5.3		[B] Bones only every other fish
		27.3	6.6		
		27.7	7.0		
745	F [B]	34.2	12.1	✓	
	M M[B] M	25.0	5.4	✓	
	M[B]	27.6	7.4	✓	
		28.0	7.3		
		26.5	5.9		
750	F [B]	32.7		✓	SC 8-7 2

Dworshak National Fish Hatchery

Adult Record

Date 4-12-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M, F^B, F	25.0	5.0		
	M^B	32.9	10.3	✓	
		32.8	9.3		
✓		26.2	5.7	✓	
755	M	25.1	5.0	✓	
	M^B, M, M^B	24.6	4.6		
	M	24.3	4.7	✓	
		24.7	4.9	✓	
		25.3	6.5	✓	
760	M, B	25.3	5.5	✓	SC 8-8 1+
	M, F^B, M	24.8	4.7	✓	
	F^B	33.4	12.6	✓	
		25.8	5.8	✓	
		31.5	9.7		
765	M	26.8	5.9		
	M^B, M, M^B	26.6	6.0		
	M	26.1	6.1		
		26.9	6.3		
		31.7	9.9	✓	
770	M, B	26.8	6.1		SC 8-9 1+
	M, M^B, F	27.6	7.4		
	F^B	28.0	7.1		
		32.7	10.5		
		31.0	8.6		
775	M	26.2	5.8	✓	
	F^B, F, M^B	31.2	8.7		
	F	32.8	11.6		
		26.9	6.4		
		31.8	9.3		
780	B F	31.5	9.6		SC 8-10 2

Dworshak National Fish Hatchery

Adult Record

Date 4-12-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F, F^B, F, F^B	31.0, 31.7, 32.0, 32.3	8.5, 9.6, 9.8, 11.3		
785	M	35.8	17.4		
	M^B, F, M^B, F	26.7, 32.7, 27.5, 34.6	6.3, 10.0, 7.4, 12.5	✓, ✓	
790	B F	33.0	7.9		SC 8-11 2
	M, M^B, M, M^B	27.7, 27.5, 25.8, 26.7	7.4, 7.2, 5.7, 6.7	✓✓✓✓	
795	M	27.6	7.2	✓	
	M^B, M^{+2}, M^{+2B}, M	27.8, 26.3, 26.6, 27.3	7.5, 6.4, 6.0, 7.1	✓✓	
800	B M	27.7	5.6		SC 8-12 2
	F, F^B, M, M^B	31.3, 33.2, 27.0, 25.0	10.2, 10.9, 7.0, 5.5	✓✓	
805	M	26.0	6.0		
	M^B, M, M^B, M	26.9, 25.6, 27.0, 26.2	6.8, 5.7, 6.3, 6.5	✓✓✓	
810	B M	28.0	7.9		SC 8-13 1

Dworshak National Fish Hatchery

Adult Record

Date 4-12-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M, M^B, M, M^B	25.5, 24.3, 28.0, 25.7	5.3, 4.7, 7.3, 5.4	✓ ✓	
815	F	34.3	11.9		
	M^B, M, M^B, M	25.0, 26.6, 25.3, 22.3	5.0, 6.6, 5.5, 4.1	✓	
820	M^B	25.5	5.7	✓	SC8-14 1+
	M, M, M^B x2, M^B	26.3, 26.3, 25.7, 25.2	5.7, 6.4, 5.9, 5.8	✓	
825	M	24.6	4.8		
	M^B, M, M^B, M	25.1, 26.2, 26.0, 26.4	5.1, 6.2, 6.2, 6.5	✓ ✓ ✓	
830	M^B	25.1	5.0	✓	SC8-15 1
	M, M^B, M, M^B	24.6, 25.6, 28.0, 26.6	4.7, 5.4, 7.2, 6.2	✓ ✓ ✓	
835	M	25.8	5.8	✓	
4/13	M, F, F, F	28.3, 32.3, 30.2, 31.0	7.8, 10.3, 8.5, 8.2	✓	bone every 5th
840	M	26.8	6.3		SC 8-16 1+

Dworshak National Fish Hatchery

Adult Record

Date 4-13-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	26.1	5.5		
	F	30.8	7.9		
		24.3	4.0		
		25.4	4.4		
845	F	31.7	8.7		
	F F F	33.2	11.9		
	F	30.7	8.8		
		33.8	11.3		
		32.7	10.2		
850	F	34.5	14.5		SC 8-17 2+
	M F F	25.4	5.0		
	F	25.4	4.3		
		32.8	9.0		
		33.3	11.8		
855	M	25.5	5.8		
	F F M	31.8	10.1		Both neutrals
	M	33.6	10.5		
		26.6	6.5		
		26.5	5.9		
860	M	25.3	5.6		SC 8-18 1+
	F F M	33.2	11.5		
	M	28.5	6.9		
		34.2	14.3		½D [redacted]
		25.3	5.7		
865	F	32.7	9.6		
	M M M	26.6	6.1		
	F	27.1	6.4		
		23.2	4.5		
		25.0	4.2		
870	M	36.5	18.4		SC 8-19 2+

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Dworshak National Fish Hatchery

Adult Record

Date 4-13-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M M	26.5 26.7 25.7 26.8	5.8 5.8 6.2 6.1		
875	M	25.9	5.8		
	M M M	25.9 25.7 27.6	5.0 5.2 6.2		
880	M –	33.0	12.2		~~[illegible]~~ SC8-20 2
	M M M M	29.0 27.1 26.1 28.1	7.5 6.0 5.6 7.3		
885	M –	28.6	8.0		
	M F M M	27.4 25.4 26.0 26.1	6.6 4.7 5.6 5.3		
890	M	24.8	4.7		SC 9-1 1+
	M M M M	26.1 27.4 25.5 27.1	6.1 5.9 5.2 6.3		
895	M	27.1	6.4		
	M M M M	34.1 28.4 26.1 35.0	13.7 7.5 6.0 14.2		
900	M	26.1	5.8	✓	SC 9-2 1

Dworshak National Fish Hatchery

Adult Record

Date 4-13-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	27.3	6.7		
	M	27.4	7.9		
		25.5	5.5		hook scar
		25.7	5.3		
905	M —	27.5	7.0		
	M M M	26.2	5.5		
	M	25.9	5.7		
		26.4	6.2	✓	
		22.7	3.6		
910	M	25.5	5.5	✓	SC 9-3 1
	M M M	25.2	5.2		
	M	27.8	7.3	✓	
		26.5	6.4		
		23.8	4.7		
915	M	25.5	5.1		
	M M M	26.5	6.3		
	M	26.8	6.7		
		31.0	9.6		
		25.3	5.3		
920	M	24.5	5.2		SC 9-4 1
	M M M	26.0	5.9		
		26.1	6.4		
4-19-77	M	24.5	4.7	✓	
		27.0	6.0		½D
925	F —	33.0	10.8		
	M F M	25.8	6.1		
	F	32.6	10.2		
		31.7	10.3		
		32.6	10.3		
930	F +2	30.8	8.1		SC 9-5 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

bone every 5th
scale every 10th

Number	Sex	Fork Length Inches	Weight	good dor	Remarks
	M M M	26.5	6.0		
	M	29.5	7.2		
		25.6	6.0		
		32.5	11.9		
935	M	27.5 –	8.0	✓	
	F F F	30.4	7.8	✓	
	M	30.7	8.8		
		32.3	10.3		
		36.5	13.7		
940	M –	26.5	5.9		SC 9-6 no scale
	F F M	33.2	11.3		
	F	32.8	10.8		½D
		35.0	13.6		
		31.6	9.0	✓	
945	F –	31.5	8.3		
	M M M	34.2	13.3		
	M	36.7	15.6	✓	
		34.7	13.7		
		36.2	15.4		
950	M –	25.0	6.0		SC 9-7 1
	F F F	31.0	8.7		
	F	31.2	8.2		
		33.3	11.2		
		33.4	11.5		
955	F –	31.2	9.7		
	F F F	31.1	10.0		
	M	32.8	10.8		
		33.6	11.3		
		37.8	17.2		
960	F –	31.8	9.4		SC 9-8 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F M	27.5	7.6		
	F	32.8	9.8		
		27.0	5.3		
		31.5	10.4		
965	M	37.1 -	17.3		½ D
	F F F	31.8	8.5		
	F	27.1	5.7		
		32.0	9.3		
		33.1	10.7		
970	M -	25.2	5.0		SC 9-9 1+
	F F M	31.0	8.2		
	F	32.4	10.8		
		35.8	14.7		
		33.0	10.8		
975	F -	31.7	8.9		
	F F F	33.2	12.3		
	F	34.2	13.2		½ D
		28.6	6.5		¼ D
		32.2	9.1	✓	
980	M -	26.4	5.9	✓	SC 9-10 1+
	F F F	31.7	9.2		
	F	32.8	10.0		
		32.8	10.5		
		33.0	10.7		
985	F	30.0 -	7.7		
	F F F	33.5	11.1		
	F	31.4	9.0		
		31.8	8.6	✓	
		32.1	9.5		
990	F -	31.7	10.4		SC 9-11 ¼ D 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F F F	34.7 26.2 27.4 33.0	14.2 5.5 5.7 9.8	✓	
995	F	34.0 -	12.3		
	F M F M	31.6 32.8 33.4 35.3	8.5 10.5 10.2 16.8		both vent.
1000	F	34.6 +	13.2	✓	SC 9-12 2
	F F F M	31.8 32.7 30.2 26.5	10.2 10.9 8.4 6.6	✓	
1005	F	33.0 -	9.8		
	M F F M	27.1 32.0 31.7 25.6	6.3 10.6 9.7 4.9		
1010	M -	26.6 ~~31.0~~	6.2	✓	SC 9-13 1+
	F M F F	32.2 35.3 32.8 32.0	9.7 14.1 13.0 9.0	✓	½D
1015	F -	32.0	9.5		¼D
	F F M F	34.0 32.6 34.1 32.7	12.8 11.0 12.4 11.2		¼D
1020	F	32.9 -	10.2		SC 9-14 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F M	31.8	8.7		
	F	34.0	11.3	✓	
		37.0	15.3		1/4D
		29.5	8.4		
1025	F	31.5	9.8		1/2D
	M F F	27.9	7.3		
	F	35.6	12.8	✓	
		31.6	9.6		
		34.2	11.5		
1030	F	31.1	8.8		SC 9-15 R.VENT. 2
	F F F	32.5	11.3		
	F	31.5	8.1		
		25.5	5.4		
		31.5	9.5		
1035	F	33.1	11.6		
	M F M	24.8	5.1		
	F	33.0	11.2		Both vent.
		33.1	12.4		
		33.1	10.2		
1040	M	33.5	11.5		SC 9-16 1/2D 2
	F F M	32.3	10.2		
	F	32.5	10.3		
		27.0	6.5		
		30.8	7.7		
1045	F	32.5	8.7		
	F F F	32.0	9.2		
	F	31.3	8.8		
		31.2	10.4		
		35.0	12.3		1/2D
1050	F	34.1	10.4		SC 9-17 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F F	31.1 29.2 34.0 33.0	9.6 7.8 11.7 10.4		
1055	F	33.1	10.0		
	M M M M	37.8 35.1 35.3 28.0	19.4 15.2 12.5 7.8		Missing JT
1060	F	31.4	9.4		SC9-18 2
	F F F M	32.0 32.0 32.6 33.6	10.0 10.0 9.8 12.0		
1065	M	33.2	12.0		
	M F M M	37.4 32.9 25.2 24.4	17.5 10.3 5.0 5.0	✓	
1070	M	26.5	6.0		SC9-19 1X
	F M F M	30.5 25.8 33.1 31.7	8.3 5.6 11.6 9.1	✓	
1075	F	33.2	11.0		
	F M M F	24.7 31.0 35.2 32.3	4.3 8.9 14.7 9.7		
1080	F	31.5	9.3		SC9-20 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F F	32.0 31.0 31.1 29.7	9.5 9.3 8.9 8.5		
1085	F	28.4	6.5		
	F F F M	32.5 32.1 30.9 26.3	9.2 10.0 8.6 6.1		
1090	M	35.3	13.8		SC 10-1 2
	F M M M	32.6 33.5 27.5 39.4	9.2 13.0 7.1 21.2	✓	
1095	M	28.0	7.1		
	M M M M	36.2 37.8 35.6 36.8	15.0 19.2 15.4 16.8		
1100	F	32.6	9.8		SC 10-2 2
	F F F F	31.0 32.0 32.8 33.8	8.8 9.5 11.2 13.4		
1115	F	28.0	6.8		
	M F M M	34.0 30.8 37.0 27.6	12.9 8.7 16.6 6.6		Both vent
1120	F	31.8	10.4		SC 10-3 2

Off 10 (too small)

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F F	35.4	15.8		
	F	30.5	8.3		
		34.2	12.0		
		34.1	11.9		
1125	F –	31.5	8.6		
	M M F	41.5	24.3	✓	
	M	33.5	11.8		
		33.5	10.5		
		24.3	4.8	✓	
1130	F	33.8 –	11.0		SC 10-4 ½D 2
	F M F	32.5	9.7		
	F	25.0	5.1		
		32.7	10.6		
		33.0	10.7		
1135	F	29.8 –	8.5		
	M M M	33.0	11.0	✓	
	M	31.3	9.6		
		36.0	15.5		
		35.1	13.1		
1140	M	34.2 –	13.5		SC10-5 Bad scale
	F F M	34.8	12.8		
	F	32.0	9.6		
		27.5	6.7		
		31.7	9.9		
1145	F	32.8 –	9.7	✓	
	F F F	34.0	12.0		
	F	32.5	10.9	✓	
		33.0	10.5		
		31.1	8.0		
1150	F –	31.2	8.4		SC10-6 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F F	33.0 31.5 32.8 32.4	11.4 8.4 10.2 10.3	✓	
1155	M	34.8 –	14.4		
	F F M F	25.5 33.5 24.1 34.6	5.0 9.8 5.0 12.6		
1160	F –	31.4	9.0		SC 10-7 2
	F F F F	34.2 30.7 31.0 32.6	14.3 9.2 9.4 9.5		
1165	F +2	25.5	4.7		
	M M F F	25.2 24.9 32.2 31.5	5.5 4.9 10.0 9.6		
1170	M –	26.5	6.2		SC 10-8 1+
	M M M F	34.5 27.1 28.0 30.7	13.1 6.4 7.7 9.0		
1175	F	34.6 –	12.4		
	F F F F	31.5 25.5 31.6 31.7	9.0 5.2 8.8 9.7	✓	R. PECT.
1180	F	32.5 –	9.5		SC 10-9 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F F	32.3 34.0 30.8 33.0	9.7 12.5 8.8 9.9		
1185	M	27.0	6.5		
	F F F M	25.8 25.3 33.2 26.0	4.8 4.9 10.2 5.5		
1190	M	33.0	11.0	✓	SC 10-10 2
	F F M M	34.2 32.2 25.2 25.0	12.0 9.9 4.8 4.5		Both vent., R. Pect.
1195	M	25.1	5.6		
	M F F M	25.6 31.8 31.7 25.2	5.5 10.6 9.0 5.3		
1200	F	31.7	8.6		SC 10-11 L.VENT 2
	F F F F	30.5 31.5 35.0 33.0	8.7 9.3 12.7 11.2		R. VENT.
1205	F	33.0	10.7		
	F F F M	31.5 32.0 31.5 25.5	9.3 10.0 8.7 5.8		
1210	F	33.0	10.5		SC 10-12 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F F	32.3 31.8 32.0 32.5	11.2 8.5 9.0 10.0	✓	
1215 ~~0~~	F	34.0 –	11.5	~~4~~	
	F F F F	24.0 32.0 31.6 31.6	4.0 8.8 9.0 9.2	✓	
1220	F +2	25.5	4.5		SC 10-13 1
	F F F F	30.5 33.1 29.8 30.5	8.5 11.0 8.2 8.7		
1225 ~~0~~	M –	26.1	6.3		
	F M F F	32.1 26.3 31.0 31.2	10.7 6.1 9.5 9.3		
1230	F –	31.8	8.8	✓	SC 10-14 2
	M F F M	35.6 31.7 31.5 33.5	14.5 8.3 9.0 14.0		
1235 ~~0~~	F –	~~33.0~~ 31.5	9.6		~~½ D~~
	F F F F	33.8 31.2 32.8 32.8	10.5 10.8 9.7 9.5	✓	½D ½D
1240	F	33.0 –	10.9	✓	SC 10-15 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F M M	32.7	10.4	✓	
	M	36.1	16.0		
		36.8	16.5		
		36.8 –	16.3		← Bone
1245	M	25.2	5.0		No Bone
	M M M	26.2	5.0	✓	
	M	32.5	12.3		
		36.7	16.0	✓	
		35.0	14.5		
1250	F	34.0 –	11.4		SC 10-16 2
	M F M	33.2	11.8		
	M	31.4	8.5		
		34.6	14.7		
		33.3	12.9		
1255	F –	32.0	9.8	✓	
	F M M	32.0	10.0		
	F	25.3	5.0	✓	
		36.6	14.6		
		33.1	10.8		
1260	M –	25.5	5.5		SC 10-17 1+
	M F F	26.7	6.4	✓	
	F	33.0	10.9		
		33.0	10.7		
		32.8	10.3		
1265	M +2	26.3	5.9		
	F M F	25.3	5.5		
	F	27.5	6.6		
		25.5	5.3		
		33.5	10.9		
1270	F	30.4 –	8.0		SC 10-18 2

Dworshak National Fish Hatchery

Adult Record

Date 4-19

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	32.0	10.8		
	F	30.2	8.2		
		31.5	9.2		
		31.8	9.7		
1275	F	35.0	14.8	✓	
	F F F	30.8	9.5		
	F	31.8	8.8		
		31.0	9.0		
		31.0	9.5		
1280	F	32.2	9.3		SC 10-19 2
	F F F	31.2	8.7		
	F	31.3	8.7		
		31.8	9.1		
		31.1	8.8		
1285	F	33.1	10.6		
	F M M	31.7	9.4		
4-26-77	F	25.7	6.7	✓	hook in mouth
		26.5	6.0	✓	
		30.0	7.7		
1290	F	33.5	9.9		SC 10-20 2
	F F F	30.6	8.1		
	F	31.3	9.4		
		~~31.7~~ 32.6	9.5		
		32.9	11.0	✓	
1295	F	33.2	11.4		
	F F F	31.3	8.4		
	F	33.0	10.8		
		32.1	10.9		
		33.1	10.3	✓	
1300	M	24.0	4.3		SC 11-1 1+

1

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	30.1	8.2		
	F	30.7	8.9		
		32.8	9.8	✓	
		30.1	7.6		
1305	F -	34.0	12.7		
	M F F	25.8	5.5		
	F	32.8	10.7	✓	
		31.1	10.5	✓	
		31.9	9.2		
1310	F +2	29.0	7.6	✓	SC11-2 1+ 200
	F F F	30.3	9.9		
	F	31.0	8.7		
		31.0	8.5	✓	
		32.0	9.2		
1315	F -	32.0	9.5		
	F F M	33.0	10.4		
	F	31.4	8.7	✓	
		24.7	5.2	✓	
		32.0	9.4	✓	
1320	F -	32.0	10.6		SC11-3 2
	F F F	31.1	8.5		
	~~F~~	30.8	8.3		L. ~~VENT~~ PECT., ½ D
→		29.8	7.4		
1325	F -	31.0	8.0		
	F M F	26.0	5.2		
	F	25.5	6.0		
		31.8	9.9		
		34.2	11.1		
1330	F -	33.0	10.2		SC11-4 2

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	30.0	7.3		
	F	25.3	4.9		
		25.2	4.7		
		31.1	9.3		
1335	F	33.3	10.0		
	M F F	28.1	6.8		
	F	31.4	10.3		
		31.3	8.6		½D
		34.6	11.8		
1340	F	33.5	10.0		SC11-5 2
lunch	F F F	32.8	10.0		
	F	32.4	10.3		
		33.8	9.3		
		33.3	11.2		
1345	M	26.7	6.2		
	F F F	33.4	11.1		
	F	32.0	9.9		
		33.3	11.8		
		33.5	11.4		
1350	F	32.0	9.6		~~SC11-6~~
	F F F	31.6	9.4		
	F	33.0	11.1		
		34.4	13.1		
		34.5	14.8		
1355	F	32.3	11.1		SC11-6 2
	F F F	35.0	12.0		
	F	32.1	9.8		
		30.7	7.5		
		32.7	10.5		
1360	F	31.0	9.2		SC11-7 2

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	33.2	11.0		
	F	32.8	9.5		
		32.0	10.1		
		30.5	8.7		
1365	F	33.0	10.5		
	F F F	30.5	8.0		
	F	33.1	10.9		
		31.8	8.5		
		33.7	10.3		
1370	F –	31.3	8.6		SC 11-8 2
	M F F	27.0	5.7		
	F	33.4	10.5		
		31.5	9.3		
		37.0	15.3		bone
1375	F –	30.2	8.1		No bone
	F F F	30.0	7.3		
	F	33.3	10.3		
		32.1	9.9		
		31.3	9.6		
1380	F –	30.6	9.2	✓	SC11-9 2
	F F F	35.5	13.7		
	F	32.5	10.4		
		32.8	10.6		
		34.8	13.5		
1385	F –	31.0	9.0		
	F F F	33.4	9.6		
	F	31.2	8.3		
		32.4	9.6		
		32.2	8.9		
1390	F –	29.6	8.0	✓	SC11-10 2

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	30.6	9.3		
	M	36.0	15.5		
		26.6	6.7		
		35.8	14.3		
1395	M	35.0	13.5		
	F F M	32.3	9.2		
	M	31.5	7.6		
		35.7	14.3		
		34.7	14.4		
1400	M	35.8	16.5		SC 11-11 2
	M M M	35.0	12.8		
	M	35.6	16.8	✓	
		35.2	14.4		
		27.2	7.1		
1405	F	33.4	10.2		
	F F M	29.7	8.7		
	F	32.2	10.4		
		32.2	9.6		
		31.5	9.5		
1410	F	30.3	8.9		SC11-12 ½ D 2
	F M M	31.0	8.5		
	M	32.8	13.4	✓	
		24.0	4.4		
		35.1	15.0		
1415	F	31.5	9.8		
	F F F	32.1	9.2		
	F	33.5	11.8		
		33.0	10.2		
		33.3	10.3		
1420	F +2	32.8	9.5		SC11-13 2

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F F	32.3 31.5 32.0 34.5	11.0 10.7 10.4 12.5		
1425	F —	29.8	7.0		
	M M F M	35.0 33.3 32.4 26.9	15.4 12.0 10.8 6.0		
1430	F	33.3	10.8	✓	SC11-14 2
	F F F F	33.8 30.8 36.1 32.5	11.5 9.0 13.7 10.8	✓	
1435	F —	29.8	7.1		
	M F F F	35.5 31.3 24.4 33.7	13.2 9.3 3.8 11.0		
1440	F —	31.8	9.8	✓	SC11-15 2
	F F X M	♀33.1 ♀32.0 ♂36.4	11.0 10.3 16.8		
1445	M —	~~37.7~~	19.1	✓	
	M F M F	24.8 30.0 36.0 31.7	5.5 7.8 15.0 9.0	✓	
1450	F —	32.7	9.5		SC11-16 2

Dworshak National Fish Hatchery

Adult Record

Scale every 10th
Bone every 10th

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F M	33.0	8.3		
	M	31.4	8.6		L.VENT
		34.6	13.7		
		35.2	13.3		
1455	F –	32.2	8.7		
	F M F	36.6	15.4		
		28.0	7.3	✓	
	M	31.7	9.0		
		33.0	12.5		
1460	F –	32.4	10.5		SC11-17 2
	F M F	33.5	10.2		
		35.1	13.3		½D
	F	31.5	8.7		
		30.7	7.7		
1465	F	32.8	9.1		
	M F M	36.5	15.2		
		32.8	10.6		
	F	25.7	5.7		
		32.9	10.7		
1470	F +	31.8	8.5		SC11-18 2
	F F F	32.7	9.7		
		31.5	8.1		
	F	33.8	12.0		
		31.0	8.7		½D
1475	F –	31.3	8.3		
	F M M	31.0	9.4		
		27.8	6.7		
	F	32.0	10.3		
		30.7	9.0		
1480	F –	31.0	8.0		SC11-19 2

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F F	25.8	4.7		
	F	32.2	9.7		
		31.4	8.0		
		25.2	4.7		
1485	M	26.1	5.4		
	M M F	26.3	6.2		
	M	33.9	11.8		
		32.9	10.4		
		35.3	13.3		
1490	F	31.7	8.8		SC11-20 2
	F F F	33.0	11.3		
	F	33.2	10.7		
		33.6	10.8		
		33.7	12.2		
1495	F	32.2	9.6		
	M F F	26.7	6.3		
	F	26.0	5.0		
		32.2	9.4		
		32.2	9.0		
1500	F	34.7	12.1		SC12-1 2 +
	F F F	30.2	8.7		
	F	35.3	13.5		
		32.2	10.4		
		32.2	10.4		
1505	M	22.8	3.8		
	F F F	31.0	8.4		R. VENT.
	F	32.4	10.1		
		29.4	8.5		
		32.8	9.8		
1510	M	33.2	12.5		SC12-2 2

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F F	26.7	6.2		
	F	31.2	9.3		
		34.0	11.7		
		31.3	8.5		
1515	F	32.0	8.6		
	F F M	31.3	9.3		
	F	32.2	10.6		
		33.0	11.8		
		33.6	11.7		
1520	F	37.0	14.7		SC12-3 3
	F F M	29.9	7.1		
	M	31.1	8.7		
		31.8	10.6		
		35.0	14.6	✓	
1525	F	33.1	10.5		
	F F F	32.2	9.7		½D
	F	34.9	12.6	✓	
		32.8	11.2	✓	
		32.2	11.3		
1530	F	33.4	11.6	✓	SC12-4 2
	F F F	32.0	10.3	✓	
	F	32.3	11.0		½D
		32.8	9.5		
		33.2	11.3	✓	
1535	F	32.4	10.2	✓	
	F M F	31.9	9.7	✓	
	M	26.2	6.4	✓	
		30.4	8.5		
		32.2	9.1		BOTH VENT.
1540	F	34.6	13.5	✓	SC12-5 2+

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight	~~Ripe~~ gd	Remarks
	F F F	31.2	8.8	✓	
	F	31.3	9.9		
		33.2	10.6		
		33.0	10.0	✓	
1545	F	31.8	9.2		1/2 D
	F F F	31.0	7.8		
	M	33.2	13.0		
		31.9	9.0		
		26.9	6.3		
1550	F —	31.3	9.3		SC12-6 1/2 D 2
	F F F	25.0	4.5	✓	
	F	36.0	13.2	✓	
		33.0	10.9		
		30.7	8.3		1/2 D
1555	F	32.0	10.0		1/2 D
	F F M	31.0	7.7		
	M	33.1	9.9	✓	RIGHT ~~PELVIC~~ VENT. ~~GOOD DORSAL~~
		25.5	4.6		
		35.6	14.7	✓	
1560	F —	30.7	8.8		SC12-7 2
	F F F	30.7	8.2		
	F	32.2	10.1		
		30.2	7.8		
		32.1	9.8		
1565	F	31.2	9.2		1/2 D
	F F F	31.3	8.0	✓	
	F	30.8	7.6		
		31.0	9.1		
		32.8	9.7		
1570	F	32.6	10.0		SC12-8 L VENT 2

Dworshak National Fish Hatchery

Adult Record

Date 4-26-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	23.4	4.5		
	M	24.1	4.7		
		22.4	3.2		
		25.5	5.4		
1575	M	24.6	4.5		
	M M F	26.3	5.9	✓	
	M	25.1	5.3		
		30.3	8.0		
		25.8	6.0	✓	
1580	F +1	31.0	8.9		SC12-9 2
	F M F	33.2	11.5		R. VENT
	F	25.2	5.7	✓	
		31.3	8.4		
		32.5	9.5		
1585	F	33.7 -	10.6		
	M M M	35.0	12.6		½ D
	M	33.5	12.6		½ D
		36.2	16.8		
		34.7	13.4		L. PECT.
1590	F	33.5 -	11.5		SC12-10 2
	M F M	26.0	5.7		
		33.0	8.3	✓	
	F	31.1	8.2		
		29.2	6.3		
1595	F	26.8	5.8	✓	
	F F F	31.1	8.8		
		33.8	10.0		
5-3-77	F	33.0	10.0		
RAGGED BONES		33.4	11.2		
1600	F -	39.0	20.3 green	✓	SC12-11 R. VENT 3

x2

Dworshak National Fish Hatchery

Adult Record

Date 5-3-77

Number	Sex	Fork Length Inches	Weight		Remarks
add 2 to make up for leaving out 2 before	F F F F F M	31.2 33.5 31.2 30.2 30.6 30.7	9.0 9.9 9.0 8.5 8.7 9.0	✓ ✓	
1605	F	34.0	10.3		
	F F M F	34.2 30.8 33.2 32.8	12.6 8.1 12.1 9.9	✓	
1610	F –	34.1	11.2		SC12-12 2+
	F F F F	32.0 30.8 32.2 34.2	8.7 8.6 8.2 11.5	✓	Done every 5th
1615	F –	30.9	8.9		
	F F F F	33.7 29.7 31.8 32.0	9.9 8.0 9.9 9.5		
1620	F +	30.6	8.2		SC12-13 2
	F F F F	32.2 32.3 30.7 30.3	9.8 9.9 8.3 8.2	✓ ✓ ✓	
1625	F –	31.3	9.6		
	F F F F	31.8 33.5 33.8 30.1	9.8 10.3 12.5 7.8		
1630	F –	31.7	10.0		SC12-14 2

Dworshak National Fish Hatchery

Adult Record

Date 5-3-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	31.3	8.8		
	F	33.0	10.6		
		31.0	8.9		
		31.8	10.7		
1635	F	31.0	8.8		
	M F M	35.0	14.6		
		31.3	9.7	✓	R. VENT.
	M	33.3	12.0		
		26.1	5.9		
1640	F	33.2	10.9		SC12-15 2
	F F F	31.9	9.0		
		32.9	10.2		
	F	32.5	10.9	✓	
		31.6	9.3		
1645	F	31.6	9.3		
	F F F	33.7	10.6		
		32.3	9.2		
	M	31.1	7.9		½ D
		25.1	4.7	✓	
1650	F	32.1	9.5	✓	SC12-16 2
	F F F	30.7	8.1	✓	
		32.2	9.1	✓	
	F	31.6	9.3		
		33.2	10.9		
1655	F	32.1	10.2		
	F F M	30.2	8.6	✓	
		31.2	9.7		
	F	31.8	10.3		
		31.2	8.4		
1660	F	32.2	10.5		SC12-17 2

Dworshak National Fish Hatchery

Adult Record

Date 5-3-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	31.6	9.2		
	F	32.2	9.9		
		33.4	10.6		½ D
		30.7	8.0		
1665 ~~6~~	F	32.2	9.3	✓	
	F F F	31.9	9.0		
	F	32.9	12.0		
		31.2	9.1		
		31.0	8.2		
1670	F	31.5	8.9		SC 12-18 2
	F F F	31.8	9.7	✓	
	F	31.0	8.7	✓	
		32.2	9.4		
		31.2	8.4		
1675 ~~6~~	F	31.7	9.8		
	M M F	under 27 26"	—		
	F	35.5	14.9		
		34.0	12.0		
		31.3	8.8	✓	
1680	F	32.0	9.2		SC12-19 ½ D 2
	M F M	25.3	5.3	✓	
	F	30.6	7.7		
		35.9	16.7		
		33.9	11.9	✓	
1685 ~~6~~	F	32.8	10.9		
	F M F	31.4	8.8		
	F	25.5	5.5	✓	
		32.7	10.0		
		31.4	9.0	✓	
1690	M	37.2	16.4		SC 12-20 3

Dworshak National Fish Hatchery

Adult Record

Date 5-3-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	31.4	9.5		
	M	33.3	10.8		
		30.7	9.8		
		27.5	6.9	✓	
1695	F	26.0	6.0	✓	
	M M F	26.2	6.0		
	F	35.5	15.3		
		31.0	8.8		
		32.0	9.5		
1700	F +1	29.5	7.1		SC13-1 2
	F F F	35.0	13.2		
		31.0	8.4		R. VENT.
	M	31.7	9.8		
		33.6	12.0		
1705	M	33.1	10.9		
	M F F	28.2	7.8		
	F	26.4	5.5		
		32.6	11.5		
		31.5	9.7		
1710	F	31.5	8.8		SC 13-2 2
	M F F	26.0	5.2		
	F	26.0	5.1	✓	
		31.9	9.3		
		31.0	8.2	✓	weird jaw
1715	F	33.4	10.5		
	F F M	33.4	11.7	✓	
		35.4	13.6	✓	
	F	26.1	5.0	✓	
		32.2	10.3	✓	
1720	F	33.2	12.1		SC13-3 2

Dworshak National Fish Hatchery

Adult Record

Date 5-3-77

Number	Sex	Fork Length Inches	Weight	DORSAL GOOD	Remarks
	F F F	31.1	8.8		
	F	33.7	12.9	✓	
		33.2	9.8		
		30.7	8.7	✓	
1725	F	31.3	8.7		
	F F F	31.7	9.2		
	F	31.0	9.0	✓	
		33.8	10.9	✓	
		29.3	7.2	✓	
1730	F —	35.0	13.3	✓	SC 13-4 2
	F F F	31.8	9.2		
	F	33.8	11.0		
		29.9	8.4		
		32.5	9.7		
1735	F —	31.4	9.4		
	F F M	31.0	9.7		
	F	31.0	7.9		
		23.3	4.0	✓	
		31.6	8.2		
1740	F	31.9	10.0		SC 13-5 2
	F F F	29.9	9.4		½ D.
	F	32.1	9.8		
		31.7	8.5		
		29.8	8.0	✓	
1745	F —	30.0	7.4		
	F F F	26.9	5.4		
	F	34.0	12.7	✓	
		31.1	9.0		
		33.0	10.7		
1750	F	32.5	9.3		SC 13-6 2

Dworshak National Fish Hatchery

Adult Record

Date 5-3-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	32.5	10.2		
	F	31.2	10.3		
		34.0	11.9		
		33.6	11.5		L. VENT.
1755	F	32.6	9.6		
	F F F	29.1	8.0		
	F	32.0	10.7	✓	
		33.0	11.2	✓	
		30.8	8.8		
1760	F	31.9	10.3		SC 13-7 2
	F F M	30.8	9.0	✓	
		30.9	8.5		½ D
	F	39.0	21.6		
		34.6	11.3		
1765	F	32.2	9.1		
	F F F	33.0	10.7		
	F	31.8	8.3		
		32.2	9.7		
		32.7	9.3		
1770	F	33.0	11.3		SC 13-8 2
	F F F	30.2	7.8		
	F	32.8	11.5		
		30.9	7.9		
		31.9	9.2		
1775	F	27.6	6.1	✓	
	F F F	22.7	3.5		
		31.4	9.2	✓	
	F	33.0	10.0		
		34.3	11.3		
1780	F	30.0	7.2		SC 13-9 2

Dworshak National Fish Hatchery

Adult Record

Date 5-3-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	26.3	5.3	✓	
	F	31.0	9.2	✓	
		33.5	11.0		
		34.2	13.0		
1785	F +2	31.0	9.0	✓	
	F F F	32.5	10.3		
	M	31.0	9.8	✓	
		33.0	10.6		
		33.0	11.0		
1790	F	31.8	10.5		SC 13-10 2
	F M F	30.3	9.1	✓	
	F	33.2	12.8		
		33.9	10.7	✓	
		31.3	9.4		
1795	M —	34.7	13.2		
	M M M	36.1	14.5		
	M	35.7	15.0		
		35.0	13.7		
		36.0	15.8		
1800	F	33.5	11.3		SC 13-11 no scale
	F M F	31.7	8.9		
	M	33.9	12.1		
		31.7	9.2		
		36.0	15.2		
1805	M	35.2	13.9		
	F F M	34.6	11.7		
	M	31.2	9.8		
		35.0	12.9		
		33.1	11.3		L. VENT
1810	M	35.0	13.4		SC 13-12 BAD SCALES

Dworshak National Fish Hatchery

Adult Record

Date 5-3-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M F	31.6	11.2		
		34.2	13.4		
5-10-77	F	34.6	13.4		
		33.3	11.7		
1815	F –	32.9	9.2		bone
	F F F	32.5	9.7		
		33.8	10.8	✓	
	F	32.2	8.7		
		32.2	9.1		
1820	M –	35.2	16.0	✓	SC 13-13 2 250
	F F M	34.5	11.2		
		30.0	7.5		
	M	36.8	18.4		1/2
		34.2	12.3		L. VENT
1825	M –	35.5	14.5		bone
	M M M	33.6	13.3		
		35.0	16.5		
	M	35.0	11.9		L. PECT.
		25.5	5.1	✓	
1830	F –	33.1	10.2		SC 13-14 2
	F M M	31.5	10.2		
		35.2	13.0		
	M	34.9	12.6		
		33.3	12.9		
1835	F –	32.5	10.2		bone
	F F M	31.8	8.1		
		31.7	10.0	✓	
	M	34.2	15.0		
		33.9	13.8		
1840	F –	33.2	9.9		SC 13-15 3

2x7.8

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M M 	36.0 34.7 33.1 34.3	13.7 12.5 10.8 13.2	✓	
1845	M –	32.5	12.0		bone
	M F F F 	33.1 31.5 32.2 32.0	11.8 8.5 9.0 9.1	✓ ✓	
1850	F –	31.3	9.5		SC 13-16 2
	F M M M 	32.9 37.2 34.7 35.0	10.5 15.5 15.5 14.9	✓	↓ bone every 10th
1855	M +2	37.0	16.7		
	M F F F 	35.7 31.5 31.0 32.5	14.0 8.5 9.0 10.4	✓	
1860	F –	31.8	7.9		SC 13-17 2
	F M M M 	31.5 34.3 35.0 36.2	9.5 12.4 13.4 16.6		
1865	F –	31.4	9.3		
	M M M F 	35.7 35.3 34.4 27.0	15.1 13.4 13.3 5.7	✓ ✓	
1870	M –	32.8	12.2		SC 13-18 2

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	34.0	10.5		½D.
	M	37.0	13.5		
		33.0	11.9		
		33.0	11.0		
1875	M –	35.5	15.0		
	M M M	34.0	12.8		
	M	37.5	16.1		
		38.0	17.5	✓	
		34.5	12.0		
1880	F –	31.4	9.8		SC 13-19 2
	M M M	33.1	12.0		
	M	33.7	12.3		
		35.5	16.3		
		34.0	12.8		
1885	F –	32.1	9.4	✓	
	M F F	35.0	16.1		
	F	32.2	10.5		
		32.2	9.8	✓	
		32.7	10.4	✓	
1890	F –	33.0	10.7		SC 13-20 2
	F M M	31.7	8.9		
	M	25.2	4.7		
		33.5	12.7		
		34.0	12.1		
1895	M	36.1	14.6	✓	
	M F M	35.0	14.5		
	M	33.0	11.1	✓	
		34.2	12.8		
		35.0	13.9		
1900	M –	35.3	13.7		SC 14-1 2

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	31.0	9.7	✓	
	M	39.0	19.7		
		35.7	15.0		
		37.4	16.6		
1905	M —	34.0	14.6		
	M M M	34.5	13.4	✓	
	F	35.5	16.3		
		35.3	12.6		
		33.4	10.5	✓	
1910	M —	34.2	12.9		SC 14-2 2+
	M M M	33.5	11.9		
	M	34.0	12.3		
		32.2	10.3		
		34.1	12.6		
1915	M —	34.0	12.3		
	F F M	33.5	11.3		
		33.3	10.5		~~L.VENT.~~
	M	33.0	11.1		L.VENT.
		32.6	12.0	✓	
1920	F —	34.2	11.1		SC 14-3 ½ D 2+
	M F M	32.0	9.7		
		34.3	10.1		½ D
	M	32.8	11.0		L.VENT.
		33.8	12.2		
1925	M —	34.0	13.2		
	M M M	34.1	13.3		
		32.7	12.2		← DIP
	M	34.9	14.6		
		33.7	12.6	✓	
1930	M —	34.0	12.3		SC 14-4 2+

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F F	33.5	12.0		
	F	32.0	10.1		
		32.0	9.9		
		31.9	9.5		R. VENT.
1935	F –	33.3	10.8	✓	
	M M M	34.3	12.4		
	F	34.4	14.0		
		35.3	14.8		
		31.5	9.4	✓	
1940	F –	31.6	9.6		SC 14-5 NO SCALES
	F M F	32.3	9.6		
	F	32.6	10.1		
		32.2	10.6		
		33.7	11.0		
1945	M –	34.3	13.7		R. PECT.
	M M M	34.0	12.3		
	M	33.2	12.3		
		33.7	14.3		
		33.0	10.5		
1950	M –	32.1	10.1		SC 14-6 2
	F M M	32.0	9.7		
	F	34.0	12.1		
		34.0	12.5		
		31.2	9.3		
1955	M –	31.0	9.6		
	M M M	33.7	11.5	✓	
	M	35.2	14.3		
		37.0	15.5		
		34.0	13.2		
1960	M –	36.0	15.0		SC 14-7 2

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M M	33.7 33.3 33.1 32.4	12.0 12.2 10.4 12.1		
1965	M –	33.2	11.7		
	M M M M	32.8 32.7 32.5 35.4	11.3 11.3 12.1 13.9		
1970	M –	33.3	10.6		SC 14-8 2
	M M M M	27.2 35.0 31.3 32.5	6.7 14.3 10.1 12.0	✓	
1975	M +	37.3	17.5	✓	
	M M F M	35.0 32.1 31.7 33.9	16.6 11.2 9.3 11.1	✓	
1980	F –	32.0	9.8		SC 14-9 2
	M M M M	34.3 27.6 33.7 35.0	13.0 7.0 12.0 14.5	✓	
1985	F –	31.9	9.6		
	M F M F	35.0 32.7 34.0 31.0	14.3 9.6 11.7 9.0	✓	
1990	M –	32.8	11.2		SC 14-10 L. VENT. 2

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M F	31.2	10.0		
	F	33.3	11.9	✓	
		33.8	10.4		
		33.0	10.2		
1995 ~~♂~~	M –	27.6	7.0		
	M M M	37.4	18.0		
	M	34.0	12.1		
		27.0	6.3		
		34.0	12.5		
2000 ~~♂~~	M –	35.3	14.3	✓	SC 14-11 2+
	F M M	32.1	9.3		
	F	33.0	11.1		
		33.2	12.3		
		34.0	10.1	✓	
2005 ~~♂~~	F –	25.0	4.8		
	M F F	25.6	5.4		
	M	31.6	9.7		½D
		30.4	8.2		BOTH VENT.
		32.5	10.1		
2010	F –	30.0	7.2		SC 14-12 2
	M F F	24.4	4.8		
	M	30.4	7.6	✓	
		25.8	5.4	✓	
		25.0	5.0	✓	
2015 ~~♂~~	M –	32.7	11.7		
	F F F	32.0	10.3		
	F	33.5	11.5		
		34.2	11.3	✓	
		31.0	8.1		
2020	F –	30.3	8.5		SC 14-13 2

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F F	26.0	5.5	✓	
	F	31.1	8.7		
		35.0	12.0		
		31.3	8.3	✓	
2025	F	35.7	12.8		
	M F F	28.4	7.5	✓	
	F	32.1	9.6		
		32.5	10.3		
		31.3	8.5		
2030	F –	31.7	8.7		SC 14-14 1/2D
	M F F	25.5	5.5	✓	
	F	32.5	9.4		
		31.5	8.7		
		33.0	9.3	✓	
2035	F –	31.5	8.5		
	F F F	26.7	5.3	✓	
	M	33.0	10.4		
		33.6	11.0		
		34.3	13.5		
2040	M –	32.9	10.3		SC 14-15 2
	M M M	36.0	14.4		R. VENT.
	M	36.3	16.2		L. VENT.
		34.5	14.8		
		34.0	13.3		
2045	M –	32.0	9.7		
	F F M	29.5	7.2		
	M	31.6	9.1		
		35.0	13.4	✓	
		40.8	21.3		
2050	M –	35.3	12.9		SC 14-16 2

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M F	37.2	17.8		
	F	33.5	12.4		
		30.8	8.3		R. PECT.
		34.0	10.8		
2055	F –	31.3	8.0		
	M M M	26.7	6.2		
	M	22.5	3.8		
		36.7	14.5		
		36.1	14.8		
2060	M –	34.5	12.3		SC 14-17 BAD
	M F M	33.2	13.4		
	F	32.6	9.3		
		34.7	11.3		
		33.2	10.7		
2065	F +2	37.3	15.5		
	M F M	32.2	10.2		
	F	31.3	9.2		
		34.5	12.1		
		34.0	11.3		
2070	M –	36.1	14.0		SC 14-18 2+
	M F F	29.5	9.1		½D
	M	34.6	11.7		
		34.6	12.0		
		33.6	11.0		
2075	M –	30.6	9.0		
	F F F	35.0	12.0		
	F	32.0	9.6		
		34.7	11.2		
		32.0	8.8		
2080	F –	33.3	10.0		SC 14-19 2

a nice place to get

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F F	25.5	5.7		
	F	33.6	10.6		
		31.2	9.1		
		32.3	8.1		
2085 ♀	F +	33.3	11.1		
	F F M	33.2	10.9		
	M	34.9	12.2		
		33.8	12.0		
		27.3	6.5		
2090	F −	32.0	9.4		SC 14-20 2
	M F F	31.7	11.1		
	F	31.7	9.1		
		32.0	10.1		
		31.0	8.3		
2095 ♀	M −	33.7	13.4		
	M M M	33.5	11.4		
	M	35.4	15.3		
		33.1	10.2		
		33.5	11.7		
2100	M −	34.3	14.7		SC 15-1 3
	M M M	34.2	12.6		L. VENT
	M	37.3	16.0		
		33.6	12.6		
		33.7	14.6		
~~2115~~ ~~215~~ ♀	M −	35.5	14.6		½ D BOTH VENT.
2105	M M M	36.7	16.3		
	M	34.5	15.1		
		33.3	11.4		
		34.0	13.5		
2110 ♀	M −	33.7	12.1		SC 15-2 2 +

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	35.5	13.0		
	M	36.1	15.5		
		34.2	13.0		
		32.8	12.2		
2115	M	33.5	11.5		
	M M M	34.6	13.0		
	M	32.8	11.4		
		37.4	15.0		
		35.7	14.3		
2120	M	34.2	13.3		SC 15-3 2
	M M M	35.6	14.3		
	M	35.7	14.0		
		34.6	12.2		
		34.0	13.5		
2125	M	32.6	10.5		
	M M M	27.5	6.3		
	M	35.4	14.7		
		35.0	13.7		
		30.0	8.1		
2130	F	35.0	11.7		SC 15-4 2
	M M M	33.0	11.3		
	M	34.5	12.8		
		32.5	10.6		
		34.1	13.7		
2135	M	31.0	10.0		
	M M M	31.1	9.4		
	M	34.5	15.5		
		34.1	14.3		
		33.5	11.5		
2140	M	31.5	10.1		SC 15-5 2

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
~~2145~~	M M M M 	35.2 34.5 32.8 27.7	12.5 12.9 11.1 6.7		
~~2115~~	M –	27.5	6.9		
~~2150~~	F F F M 	30.2 31.8 32.4 31.0	8.2 9.8 10.1 11.0		½D
~~2120~~	F –	32.2	9.8		SC15-6 2
2155	M M M M 	32.4 31.8 33.3 32.0	11.5 9.4 12.0 10.7		
~~2125~~	M –	31.1	10.0		
2160	M M M M 	33.6 31.3 26.4 33.5	11.0 9.5 5.6 14.0		
~~2130~~	M +	35.0	13.9		SC 15-7 2
~~2165~~	M M M M 	33.3 33.3 37.6 36.1	10.0 12.2 16.5 16.8		
~~2135~~	M	35.8	16.2		
2170	M F M M 	35.5 33.3 34.2 34.7	15.3 9.9 13.5 13.4		
~~2140~~	F –	33.7	10.5		SC15-8 2

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	33.8	14.2		
	M	37.0	17.2		
		32.1	10.0		
		34.0	12.6		
2175 ~~2145~~	M +2	38.7	20.2		
	M M M	31.6	10.8		
	M	35.1	13.1		
		27.8	7.7		
2180		34.3	13.0		
~~2150~~	M +2	34.1	13.0		SC15-9 2
	M M M	36.0	14.5		
	M	34.5	15.0		
		33.5	12.5		
		35.1	12.8		
2185 ~~2155~~	M –	34.1	12.3		
	M M M	35.0	13.7		
	M	36.0	15.0		
		35.7	14.5		
		36.0	14.5		
2190 ~~2160~~	M –	31.5	9.8		SC15-10 2
	M F M	33.0	11.8		
	M	36.2	13.0	✓	
		32.5	11.8		
		34.0	12.6		
2195 ~~2165~~	M –	34.6	13.7		
	M M F	33.8	11.3		
	M	26.5	5.6		
		31.6	9.5		
		33.7	11.0		
2200 ~~2170~~	M –	34.3	13.0		SC15-11 2+

Dworshak National Fish Hatchery

Adult Record

Date 5-10-77 to 5-17-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M F ~~M~~F	33.2	11.0		
	M	31.0	8.8		
		33.8	13.1		
		35.3	13.3		
2175 ~~M~~	M –	35.0	12.9		
	M M F	34.0	13.2		
	M	34.3	13.7		
		31.2	8.8		
		34.5	12.6		
2180	M –	33.5	12.0		SC15-12 2
	F M M	32.7	9.4		
	F	33.1	11.2		
		35.5	14.7		
		32.6	9.7		
2185 ~~M~~	M –	33.3	11.7		YZD
	M M M	34.2	13.4		
	M	32.1	10.2		
		30.1	9.1		
		34.8	13.5		
5 3 4 2190	~~M~~ F +1	26.0	5.0		SC15-13 No Scale
2 7 2 ~~M~~	F F F	31.0	7.2		
5-17	F	32.7	10.1		
		31.0	8.6		
		31.5	9.9		
2195 ~~M~~	F ~~M~~ +2	31.0	8.2		
	F F F	33.6	10.1		
	~~M~~ F	33.0	10.6		
		31.3	8.8		
		~~34.0~~ 32.6	9.2		
~~2200~~	– F	34.0			SC15-14 2
2230					

Dworshak National Fish Hatchery

Adult Record

Date 5/17/77

Number	Sex	Fork Length Inches	Weight		Remarks
	F F F	29.1	7.4		
	F	33.1	10.6		
		31.2	8.3		
		26.2	4.9		
2205	F	34.0	11.0		
	F M M	33.8	11.3		
	F	36.0	15.7		
		33.4	11.2		
		34.2	11.3		
2210	F -	33.3	11.3		SC 15-15 2
	F F F	32.2	10.0		
	F	33.2	11.2		
		31.8	10.0		
		32.9	10.5		
2215	M	34.5	14.4		
	F F F	32.3	9.3		
	M	32.3	7.7		
		30.1	9.5		
		24.8	4.7		
2220	F -	29.3	8.5		SC 15-16 2
	F M M	30.0	8.0		
	M	36.0	16.2		
		35.1	15.0		
		34.2	13.1		
2225	F	32.5	9.8		
	M F M	32.6	10.7		
	M	33.1	10.6		
		36.2	16.4		
		35.6	20.4		
2230	F -	32.1	10.4		SC 15-17 2
2260					

Dworshak National Fish Hatchery

Adult Record

Date 5-17-77

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	35.6	14.9		
	F	34.1	13.8		
		34.9	14.2		
		33.8	12.0		
2235 ~~0~~	F	31.8	9.6		
	M F M	31.0	9.6		
	M	32.0	9.7		
		34.1	11.2		
		34.4	13.6		
2240	M —	34.0	11.9		SC 15-18 2
	M M F	36.6	16.2		
	F	33.7	10.9		
		29.5	7.8		
		33.5	12.1		
2245 ~~0~~	F	32.0	9.3		
	F M F	32.2	9.4		½ D.
	M	35.5	15.8		
		31.3	8.7		
		35.9	14.3		
2250	M —	33.8	12.5		SC 15-19 2+
	M M M	36.7	17.6		
	M	34.9	14.5		
		33.5	13.3		
		34.6	11.6		
2255 ~~0~~					~~missed~~ accidentally skipped
	F M M	31.7	8.0		
	M	36.3	14.6		
		33.5	12.1		
		35.5	14.9		
~~2260~~	M —	34.6	15.7		SC 15-20 NONE (No scale)
2290					

x 1

Dworshak National Fish Hatchery

green = Ocean Years

Adult Record*

Date 5-17

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	34.4	13.7		
	M	30.5	9.3		
		34.6	13.5		
		34.5	12.0		
2265	M	34.2	13.0		
	M M M	33.2	11.8		
	F	32.8	13.3		L. VENT.
		25.6	5.7		
		32.6	9.5		BOTH VENTS.
2270	F —	33.0	9.7		SC 16-1 2
	F F F	33.0	10.4		
	F	32.3	10.1		
		32.5	10.0		
		32.1	11.0		
2275	F —	30.6	8.6		
	F F F	32.1	9.7		
	F	30.5	7.8		
		33.1	11.5		
		32.1	11.0		
2280	F —	33.2	11.8		SC 16-2 2
5/20	F F F	32.1	8.8		
5 broke up for 1 minute earlier		34.7	12.3		
	F F	31.5	9.3		
		31.9	8.5		
		26.3	5.3		
2285	M	35.0	12.9		
	M F M	35.1	13.4		
	M	33.0	9.9		
		34.4	13.7		
		29.9	11.1		
~~2290~~	M —	33.9	12.8		SC 16-3 2
2320					

Dworshak National Fish Hatchery

Adult Record

Green = Ocean Years

Date 5-20

Number	Sex	Fork Length Inches	Weight		Remarks
	M M M	36.7	17.6		
	M	34.2	12.2		→ Left Pectoral clipped?
		37.0	17.9		
		35.8	14.9		
2325 ~~2295~~	M	32.9	11.4		
	M M M	32.8	11.1		
	M	31.2	9.7		
		34.0	12.9		
		32.7	10.8		
2330 ~~2300~~	F −	31.5	9.0		SC 16-4 2
	F F M	31.2	8.9		
	F	30.0	6.8		
		26.6	5.9		
		32.7	8.9		
2335 ~~2305~~	F +2	31.1	8.3		
	F F M	31.6	10.1		
	F	32.0	9.4		
		33.4	12.3		
		31.0	8.3		
* ~~2340~~ ~~2310~~	F −	33.0	12.3		SC 16-5 2 298
actually 2330	F	~~26.3~~	~~0.3~~		
		Unmarked fish = 2329			
2315					
2320					SC 16-6

MARKED
1977 STEELHEAD SPAWNING DATA

	FISH No.	CLIPS Ad.	LV	RV	SEX F	M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE (OCEAN YRS.)	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	D.F&G JAW TAG NO.	OTHER (BRANDS, ETC.)	Good Dors. fin (✓)
2/28	1	✓			✓		30.6	8.3	2	-				
	2	✓	✓		✓		34.6	11.7	2	-				
	3	✓				✓	28.0	7.1	1	-	398			
	4	✓				✓	26.2	6.3	1	-	298			
	5	✓				✓	25.6	5.7	1+	-	4183			
		✓				✓	25.8	6.4	1	-	352			
						✓	27.8	8.0	1+	+2		Z2326		
		✓				✓	26.3	6.2	1+	-				
3/8		✓				✓	27.2	7.1	1	-			Ab	
	10					✓	28.2	6.9	1+	-	4177		Ab	✓
						✓	26.2	6.4	1+	-	4181		Ab	✓
						✓	26.3	6.0	1	-				✓
		✓				✓	28.4	7.7	1	-	4170		OMP	✓
		✓				✓	26.2	6.7	1	-	362			✓
	15	✓				✓	25.0	5.3	1	-				
						✓	26.2	5.3	1	-		Z1010	½ Dor.	
		✓				✓	27.0	6.6	1	-	4182		Ab	✓
		✓			✓		26.4	5.2	1+	-	344		½D Ab	
		✓			✓		34.0	10.4	2	-				
	20	✓				✓	25.8	6.2	1	-	- missing JT-		~~Aber~~ S.C.	
#2		✓				✓	27.3	6.5	1	-	512		Aber	
		✓				✓	25.8	6.5	1	-	4175		Aber	
		✓				✓	27.0	7.0	1+	-	391		Aber	✓
		✓				✓	26.7	6.2	1	-	297		OMP	
	25	✓				✓	27.4	6.9	1	-	4141		Aber	✓
		✓				✓	25.1	5.3	BAD	-				
						✓	25.9	5.9	1	-		Z1487		
		✓				✓	26.9	6.1	1	-			Ab	✓
		✓				✓	25.5	5.7	1	-				
	30	✓				✓	25.8	5.4	1	-	353		~~Aber~~ S.C.	
		✓				✓	27.2	6.2	1+	-	295		Ab	
						✓	27.5	7.4	1	-	496			✓
		✓				✓	25.8	6.2	1	-	397		Aber	
						✓	26.9	6.4	1+	+2		Z1430		
	35	✓				✓	26.6	6.2	1	-				✓
		✓				✓	25.1	5.1	1	-	328		Aber	
		✓				✓	27.3	6.9	1+	-				✓
		✓				✓	24.1	4.9	BAD	-			Aber	
3/15		✓				✓	26.3	6.0	1+	-	287		OMP	
	40	✓				✓	26.2	5.9	1+	-	359		Aber	
#3						✓	25.4	5.7	1	-	4139			✓
		✓				✓	28.0	7.8	1+	+				✓
		✓				✓	26.3	6.4	1+	-	377		Ab	✓
		✓				✓	25.4	6.1	1+	-		Z 592	Ab	
	45					✓	25.4	5.7	1	-		Z 302		✓

2

MARKED
1977 STEELHEAD SPAWNING DATA

FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	ID. F & G JAW TAG NO.	OTHER (BRANDS, ETC.)	DOR FIN GOOD
46	✓				✓	27.5	7.5	1+	-	425 →		Ab	✓
	✓				✓	25.1	5.3	1	-	4184 →			✓
					✓	27.5	7.1	2	-				✓
					✓	25.7	6.0	1	-		Z 371 →		
50	✓				✓	25.6	6.2	2	-				
	✓				✓	25.7	5.7	1	-				✓
	✓				✓	24.9	4.9	1	-	473 →		Ab	✓
	✓				✓	25.3	5.6	1	-	458 →		Ab	✓
	✓				✓	26.5	6.6	1+	-	481 →		OMP	
55	✓				✓	32.7	12.0	2	-		Z 200 →		✓
	✓				✓	27.7	7.3	2	-	417 →		Ab	✓
	✓				✓	25.5	5.9	1	-	529 →		Ab	✓
	✓				✓	28.8	7.9	2	-	390 →		Ab	✓
	✓			✓		33.4	10.2	2	-			R. PECT.	
60	✓	✓		✓		34.4	11.4	2	+				
#4	✓			✓		33.2	11.0	2+	-				✓
	✓			✓		33.8	11.0	2+	-				
	✓				✓	25.8	6.2	1+	-				✓
	✓				✓	31.7	8.4	2	-				
65	✓				✓	25.9	6.2	MISSING	-				
	✓				✓	25.0	5.2	1+	-	432 →		Ab	
	✓				✓	25.4	5.5	1	-	4154 →		Ab	✓
					✓	24.8	5.2	1	-		Z 532 →		
	✓				✓	26.5	6.0	BAD	-	420 →		Ab	✓
70	✓				✓	25.8	5.8	1+	-	453 →		OMP	✓
	✓				✓	24.9	5.3	1	-	346 →		Ab	✓
	✓				✓	24.8	5.4	1	-				
	✓				✓	26.4	6.5	1	-			Aber	✓
					✓	28.6 25.5	7.5 5.7	1	-		Z 596 →		✓
75	✓				✓	26.0	5.1	1+	-				✓
3/22	✓				✓	25.3	5.7	1	-				
	✓				✓	26.3	6.1	1	-	4166 →		Ab	✓
	✓				✓	25.2	5.2	BAD	-	327 →		Ab	✓
					✓	26.4	6.4	1	-	4191 →			✓
80					✓	24.7	5.1	1	-		Z 570 →		✓
#5					✓	31.6	9.7	1+	-	348 →			✓
	✓			✓		33.0	10.5	MISSING	-				
	✓			✓		24.7	4.8	2	-				
					✓	26.1	6.2	1+	-	387 →			
85					✓	26.8	6.6	1+	-		Z 317 →		✓
	✓				✓	27.1	6.2	1	-	478 →		Ab	
	✓				✓	24.2	4.9	1+	-				✓
	✓				✓	26.5	6.0	1	-				
	✓				✓	27.6	7.0	BAD	-	277 →		Ab	
90	✓				✓			1	-	384 →		OMP	

MARKED
1977 STEELHEAD SPAWNING DATA

FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	ID. F & G JAW TAG NO.	OTHER (BRANDS ETC.)	Good Dor. Fin
91	✓				✓	26.7	6.9	2	–	4185		Ab	✓
	✓			✓		28.5	6.6	BAD	–				
	✓				✓	26.4	6.1	BAD	–	452		Ab	
	✓				✓	24.2	4.7	1	–	354		Ab	
95	✓			✓		33.2	11.1	2	–				
					✓	24.9	5.4	1	–	402			
	✓				✓	26.9	6.5	1	–	4198		Ab	
	✓				✓	25.0	5.2	1	–	480		Ab	
	✓			✓		25.0	4.4	1	–				
100	✓				✓	26.4	6.7	1+		450			
#6 ✓					✓	38.5	21.2	2+	+	6384			
	✓			✓		25.0	4.5	1	–				
	✓				✓	25.7	5.5	1	–			~~OMP~~ Ab	
	✓				✓	25.1	5.0	1	–	329		S.C.	
105				✓		33.9	12.4	2	–			R. PECT.	
	✓				✓	27.2	6.5	1+	–			OMP	
					✓	34.8	14.7	2	–		Z 590	½ D, hook scar	
	✓				✓	27.0	6.2	1+	–	271		Ab	
	✓				✓	25.5	5.4	BAD	–	501		Ab	
110					✓	26.0	6.2	1+			Z 336		
					✓	25.6	5.8	1+	–		Z 549		
	✓				✓	26.0	6.0	1+	–			OMP	
	✓				✓	26.6	6.1	1	–	386		Ab	
3/29					✓	25.8	5.7	1	–		Z 568		✓
115	✓				✓	27.8	7.0	2		4199		Ab	✓
	✓				✓	26.4	6.5	1	–	337		OMP	✓
					✓	26.0	6.3	1+	+		Z 541		
	✓				✓	26.5	6.2	1	–	383		Ab	
					✓	25.3	5.4	1	–	422			✓
120	✓				✓	25.3	5.5	1	–				✓
#7					✓	28.7	7.8	1+	–			Dbl. left opercle punch	✓
	✓				✓	27.0	6.5	1	–				
	✓			✓		31.8	8.5	2	–			R. PECT.	
	✓			✓		32.7	9.6	2	–				✓
125	✓				✓	26.0	6.1	1	–				✓
	✓				✓	37.5	18.0	2	–		Z2004		
					✓	27.0	6.3	BAD	–		Z 6		
				✓		33.2	11.0	2	–			R. PECT.	
	✓				✓	27.0	6.0	1+	–			OMP	
130	✓				✓	26.3	6.2	1	–	498		Ab	✓
	✓			✓		34.9	11.2	2	–			R. PECT.	✓
	✓				✓	27.1	6.6	1	–	395		Ab	✓
					✓	24.2	4.9	0+	–		Z1481		
					✓	25.8	5.8	1	–	283			✓
135	✓			✓		32.1	9.1	2	–				✓

MARKED
1977 STEELHEAD SPAWNING DATA

	FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	ID. F & G JAW TAG NO.	OTHER BRANDS, ETC.	GOOD DORS. FIN
	136	✓				✓	26.0	6.3	1+	-	368		OMP	✓
		✓			✓		31.1	9.1	2	-				
		✓				✓	25.6	5.4	1	-	279		OMP	✓
		✓				✓	25.7	5.7	1+	-	502			✓
	140	✓				✓	26.0	5.9	1	-	292		OMP	
#8		✓				✓	24.6	5.5	1	-	410		Ab	
		✓				✓	25.4	5.5	BAD	-				
						✓	36.1	17.2	2	-		Z2320		
					✓		32.2	11.1	2	-		Z1445		
	145	✓			✓		32.4	10.4	2	-				
						✓	24.7	5.0	1	+2		Z 544		
						✓	33.6	12.4	2	-			ORE. SPAGHETTI TAG	✓
						✓	27.0	7.5	1+	-		Z1415		
		✓				✓	26.1	6.1	1+	-	342		Ab.	✓
	150	✓			✓		31.7	8.2	1+	-				
		✓				✓	26.2	5.9	1+	-		Z1234		
		✓			✓		31.9	9.3	2	-			L. PECT.	
						✓	31.3	9.5	2	-		Z1409	Ab	
						✓	26.4	6.4	1+	-		Z 553		
	155	✓				✓	26.0	6.0	1+	-	382		Ab	
		✓				✓	28.8	8.0	1+	-	482		S.C.	✓
		✓				✓	26.5	6.0	1+	-	405			
		✓				✓	26.4	6.8	1+	-	396		OMP	
		✓			✓		25.6	5.6	1+	-	343		Ab	
	160	✓			✓		30.5	8.2	2	-			R. PECT.	
#9		✓				✓	26.3	5.9	1+	-			Ab	✓
		✓			✓		31.1	8.6	NO SCALES	-				
		✓				✓	26.8	6.1	1+	-			S.C.	
		✓			✓		26.0	5.0	1+	-			OMP	
	165	✓				✓	25.6	5.8	1+	-			OMP	
3/30		✓				✓	25.8	6.0	1+	-			OMP	
		✓				✓	25.0	5.1	1+	-				✓
		✓			✓		29.6	7.3	2	-				✓
		✓			✓		34.5	10.5	2	-				
	170	✓				✓	25.0	5.8	1	-			Ab	
		✓			✓		30.2	7.6	2	+				
						✓	34.4	13.8	2+	-				
		✓				✓	25.4	5.6	1	-			Ab	✓
						✓	32.9	12.8	2	-				
4/5	175					✓	23.9	4.5	1	-				✓
		✓			✓		32.6	9.7	2	-			L. PECT., ½D	
		✓		✓	✓		33.2	11.0	2	-				✓
		✓				✓	26.9	7.0	1+	-				
		✓			✓		31.8	8.2	2	-				
	180	✓			✓		30.8	9.0	2	-				✓

MARKED
1977 STEELHEAD SPAWNING DATA

	FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAGS	ID. F + G JAW TAGS	OTHER BRANDS, ETC.	Good Dorsal Fin
#10	181	✓			✓		25.4 est	5.0	1+	–	375		Ab	
		✓			✓		33.6	11.5	2	–				
		✓				✓	32.5	13.9	2	–				
		✓				✓	34.1	13.8	2	–				✓
	185	✓			✓		30.4	8.1	2	–				
					✓		32.7	11.6	2	–		Z1439		
						✓	33.5	14.0	2	–			L.PECT.	✓
		✓				✓	26.8	6.3	1+	–				✓
		✓				✓	24.8	5.3	1+	–	510		Ab	
	190			✓	✓		30.0	8.2	2	–				
						✓	24.3	4.5	1	–	546			
		✓			✓		31.7	10.1	2	–				
		✓			✓		32.0	9.1	2	–				
		✓		✓	✓		31.8	9.0	2	–				
	195	✓			✓		34.9	12.8	2+	–				
		✓			✓		31.4	8.9	2	–				
		✓			✓		33.7	10.6	2	–			L. PECT.	
			✓		✓		31.7	9.0	2	–				
						✓	35.7	13.9	2+	–		Z2001		
	200	✓			✓		31.5	8.7	2	–				✓
#11		✓				✓	26.9	6.3	2	–	381			✓
		✓			✓		30.4	8.7	2	–				
		✓			✓		31.2	9.0	NO SCALES	–				
		✓				✓	34.1	15.0	2+	–		Z2305		✓
	205	✓				✓	26.4	7.1	1+	–		Z 295		✓
		✓				✓	25.7	5.7	1+	–				✓
					✓		32.2	9.5	2	–		Z1469		✓
		✓				✓	26.3	6.3	BAD	–				
						✓	25.2	---	1	–		Z 540		✓
	210					✓	27.3	6.9	2	+2	426			
		✓				✓	27.0	6.8	1	+				✓
		✓			✓		31.9	9.7	2	+2				✓
		✓			✓		30.8	9.0	2	–	265			
						✓	25.5	6.2	1+	–			Ab	
	215	✓				✓	27.2	6.4	NO SCALES	–	500		Ab	✓
						✓	27.7	7.3	2			Z1433		
		✓				✓	25.9	6.0	1+	–			Ab	✓
		✓				✓	27.0	6.9	NO SCALES		4142		Ab	
		✓				✓	24.3	5.0	1+		264		OMP	
	220					✓	26.3	6.1	1+				R.PECT.	✓
#12		✓				✓	25.7	5.3	1					
		✓				✓	25.6	5.5	1	–	374		OMP	
						✓	25.3	5.2	1+	+		Z 533		
		✓				✓	24.1	4.7	1+	–	531		Ab	✓
	225	✓				✓	27.2	6.7	1+	–				✓

MARKED
1977 STEELHEAD SPAWNING DATA

FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	D. F + G JAW TAG NO.	OTHER BRANDS, ETC.	GOOD DOES. FIN
226	✓				✓	26.1	5.4	1+		532		Ab	✓
					✓	26.0	6.1	1+		4195			
					✓	30.3	8.8	2		4186		OMP	
	✓				✓	23.7	5.0	1	–	424		Ab	✓
230	✓			✓		34.3	12.0	2					
	✓				✓	26.0	6.8	1+	–	318		Ab	
	✓			✓		32.2	11.1	2	–				
	✓			✓		26.5	5.7	1+	–	470		OMP	✓
	✓				✓	24.4	5.0	0+	–				✓
235	✓			✓		31.2	8.7	2	–				
					✓	26.0	6.5	1+	–		Z 558		
					✓	27.6	7.0	1+	+		Z 349		
	✓				✓	26.0	6.0	1+	–	401		AB	
	✓				✓	26.7	6.3	1+	–				
240	✓				✓	23.7	4.4	1	–	412			
8/12 #13	✓				✓	26.7	6.0	1	BAD			Ab	✓
					✓	36.3	16.0	2	–				
	✓			✓		32.7	9.7	2	–				
					✓	33.8	12.8	2+	–				✓
245			✓	✓		32.6	9.7	2	–				✓
	✓			✓		34.2	11.4	2+	–				
	✓				✓	37.0	17.8	2+	–				✓
	✓			✓		33.8	11.1	2	–				
				✓		34.8	13.6	2+	+				
250	✓			✓		30.7	8.0	2	–				
	✓			✓		31.7	9.3	2	–				
					✓	32.5	11.5	2	–				
	✓			✓		30.7	9.6	2	–				
	✓				✓	26.7	6.5	1+	–			Ab	
255					✓	35.5	15.5	2+	–				
				✓		33.1	9.5	2+	–				
	✓			✓		34.0	11.0	2	–				
	✓			✓		31.2	8.9	2	–				
					✓	34.8	14.3	2	–				
260		✓		✓		30.0	8.6	2	–				
#14	✓			✓		37.5	16.0	2+	+				
					✓	33.9	13.2	2	–			R. PECT.	
					✓	33.0	11.2	2	–				✓
	✓			✓		33.0	10.6	2	–				
265					✓	31.7	10.5	2	–				
					✓	32.5	10.4	2	–				
	✓			✓		30.7	8.4	2	–				
					✓	33.9	12.8	2+	–				
	✓			✓		29.1	7.3	2	–				
270			✓	✓		32.6	9.2	2+	–				

MARKED
1977 STEELHEAD SPAWNING DATA

	FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	ID. F+G JAW TAG NO.	OTHER BRANDS, ETC.	GOOD DORS. FIN
	271					✓	38.0	20.4	NO SCALE	+		Z2077		
		✓			✓		32.2	9.4	2	–				
					✓		33.0	10.5	2	–		Z1419		
		✓			✓		33.8	11.1	2	–				✓
	275	✓				✓	27.6	7.5	1+	–				
		✓			✓		32.0	11.3	1+	–				
		✓			✓		30.7	9.8	2	–				
				✓	✓		33.5	11.4	2	–				
		✓			✓		30.2	7.6	2	–				
	280					✓	32.3	11.2	2	–		Z2316		
4/5		✓			✓		32.2	10.7	2	–			R. PECT.	
		✓			✓		30.5	8.0	2	–				
					✓		31.3	8.7	2	–		Z1431		
		✓			✓		32.9	10.7	2	–				
	285	✓			✓		32.2	9.8	2	–				
		✓			✓		31.1	10.2	2	–			R. PECT.	
		✓				✓	26.4	6.1	1+	–				✓
		✓				✓	26.8	6.5	1	–				
						✓	25.9	6.0	1	–		Z 536		
	290	✓				✓	35.0	12.8	2	–				
		✓			✓		24.8	4.3	1+	–	457		Ab	✓
						✓	26.6	6.6	1	+		Z 20		
			✓	✓		✓	34.0	11.7	2	–		Z1217		
						✓	32.7	11.8	2	–		Z2383		
	295	✓			✓		33.6	11.6	2	–				
				✓	✓		32.2	9.6	2	–				
						✓	25.5	5.4	1	–			L. PECT.	
		✓			✓		30.6	8.4	1+	–				
						✓	32.6	10.1	2	–		Z1417		
	300	✓	✓		✓		30.8	8.8	2	–			L. PECT.	
4/6					✓		32.5	11.1	2	–		Z1434		
						✓	33.3	14.2	2+	–		Z1482		
		✓			✓		31.8	10.1	2	–				
		✓				✓	28.0	6.3	1+	–				✓
	305	✓				✓	26.5	6.0	1+	–	465		Ab	
						✓	34.9	13.6	2	–		Z1237		
						✓	26.1	6.7	1+	–		Z 12		
						✓	24.8	4.8	1	–	351			
		✓				✓	27.5	6.5	1+	–	525		Ab	✓
	310	✓				✓	27.1	5.9	1+	–	468		Ab	
		✓				✓	26.4	6.1	1+	–				✓
		✓				✓	25.5	5.5	1+	–	4208		Ab	✓
						✓	28.1	7.1	1+	+2	4179			✓
4/13					✓		30.2	7.9	2	–		Z1005		✓
	315				✓		29.6	8.1	2	–		Z1452		

MARKED
1977 STEELHEAD SPAWNING DATA

FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE (OCEAN YRS.)	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	I.D. F & G JAW TAG NO.	OTHER BRANDS, ETC.	GOOD DORS. FIN
316	✓			✓		32.0	10.1	BAD SCALE	–				✓
				✓		31.8	9.7	2+	–			L.ANT. LLC	
	✓			✓		31.5	10.3	2	–				
	✓			✓		32.5	11.3	2	–				
320	✓			✓		31.9	9.5	BAD SCALE	–				
#17 ✓				✓		31.1	9.3	2	–				
	✓			✓		32.6	10.6	2	–				
					✓	27.1	6.7	1+	+2		Z 576		
			✓	✓		32.6	9.7	2	–				
325	✓	✓			✓	34.1	13.8	2+	–			½D	
	✓				✓	32.0	10.9	2	–				
					✓	26.1	5.5	1+	–	520			
	✓				✓	26.3	6.2	1+	–				
	✓			✓		25.7	5.0	1+	–	291		Ab	
330					✓	23.7	4.4	1			Z 530		
					✓	24.8	4.9	1			Z 555		
	✓				✓	27.2	6.3	1				Ab	
					✓	25.3	4.9	NO SCALES		484			
					✓	26.5	6.2	1+		447			
335					✓	26.8	6.2	1+		547			
					✓	27.0	6.2	1+		550			
	✓				✓	28.3	7.3	1+				OMP	
					✓	34.0	12.5	2			Z2309		½D
4/19			✓	✓		34.3	12.4	2	–		-		
340	✓				✓	34.8	15.2	2	–		Z3277		
#18					✓	37.0	17.4	2	–	missing JT			
				✓		32.0	8.5	2	–		Z1411		
	✓				✓	33.0	10.8	2	–				
	✓				✓	37.8	17.0	2+	+				
345				✓		31.2	8.8	2	–			L.ANT. LLC, ½D	
					✓	35.5	14.0	2	–		Z2380		
				✓		31.4	9.3	2	–		Z1044		✓
	✓			✓		30.8	9.1	2	–			L. PECT., ½D	
	✓				✓	25.5	5.4	1+	–	4213	~~Z4~~	OMP	
350				✓		33.8	12.7	2	–		Z1464		
	✓				✓	33.6	12.4	2	–				
	✓			✓		31.8	8.8	2	–				
				✓		31.0	8.3	2	–		Z1450		
	✓			✓		30.8	8.3	2	–				
355	✓				✓	32.8	10.0	2	–				
				✓		32.2	9.2	2	–		Z1441		
					✓	27.3	6.7	1+	–		Z 113		
	✓	✓			✓	37.6	18.6	2	+				
					✓	33.7	12.0	2	–		Z1429		
360				✓		29.0	6.4	2	–		Z 569	½D	

MARKED
1977 STEELHEAD SPAWNING DATA

	FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	ID. F&G JAW TAG NO.	OTHER BRANDS, ETC.	GOOD DOES. FIN
#19	361					✓	28.1	7.1	1+	–		Z1444		
					✓		34.5	11.8	2+	–		Z1488		
		✓			✓		33.0	11.8	2	–				
		✓				✓	34.3	12.7	2	–				
	365	✓			✓		36.2	12.7	2	+				
						✓	33.6	13.4	2	–		Z1492		
		✓				✓	27.0	6.5	1+	–			Aber	
		✓		✓		✓	35.0	12.7	2	+				
		✓				✓	34.8	13.0	2	–				
	370	✓				✓	25.2	5.8	1+	–	4190		Ab	
		✓			✓		32.0	9.7	2	–				
		✓			✓		32.7	10.4	2	–				
		✓			✓		32.0	9.3	2	–			½ D	
			✓		✓		30.8	8.0	2	–		Z1496		
	375				✓		33.2	11.4	2	–		Z1210		
						✓	33.5	11.2	2	–			½ D	
		✓				✓	34.2	13.3	2	–				
						✓	26.7	6.4	1+	–	514			
		✓				✓	26.1	5.6	1	–	4202		Ab	✓
	380	✓				✓	26.5	6.2	2	–				
#20		✓	✓		✓		33.0	10.9	2	–				
		✓			✓		31.0	8.5	2	–				
		✓			✓		33.2	11.6	2+	+				✓
		✓			✓		31.3	8.4	2	–				
	385	✓			✓		29.7	7.0	2	–				
		✓			✓		31.3	8.5	2	–				
		✓			✓		34.8	11.0	2+	–				
		✓				✓	34.0	12.5	2	–				
					✓		33.5	9.8	2	–		Z1491		
	390	✓			✓		33.0	10.2	2	–			½ D	
		✓			✓		31.5	8.8	2	–				
						✓	25.5	5.0	1+	–	548			
						✓	25.5	5.6	1+	–	330			
		✓			✓		34.3	10.9	2+	–				
	395				✓		33.1	10.2	2	–		Z1402		
		✓			✓		33.2	10.8	2	–				
			poss. ✓		✓		32.8	11.0	2	–		Z1209		
		✓			✓		34.1	11.1	2	–				✓
4/26		✓			✓		32.0	9.1	2	–				
	400				✓		31.7	9.9	2	–			L.ANT. CIT	
#21		✓				✓	26.6	5.2	1+	–	456		Ab	✓
		✓	✓			✓	28.2	7.9	2	–				
			✓		✓		30.8	8.5	2	–				
					✓		32.9	9.5	2	–		Z1455		
	405		✓	✓	✓		32.2	9.8	2	–				

MARKED
1977 STEELHEAD SPAWNING DATA

FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE	TETRACYCLINE RINGS	NMFS JAW TAG NO.	ID. F & G JAW TAG NO	OTHER BRANDS, ETC.	Good Dorsal Fin
406	✓			35.0		13.7	✓	BAD SCALE	–					
			✓	32.0		9.1	✓	2	–					✓
				33.4		12.0	✓	2	–			Z1231		
				31.2		8.2	✓	2	–			Z1476		
410	✓			26.0		6.0	✓	1+	–					
	✓			25.0		4.7	✓	1+	–					
	✓			25.0		4.8	✓	1+	–		4217		Ab	
				25.1		5.3	✓	1+	–		522			
				31.2		8.5	✓	2+	–		4208			
415	✓			32.1		9.1	✓	2	–				½D	
				32.5		9.9	✓	2	–			Z1221		
	✓			32.5		10.0	✓	2+	–				LANT LLC	
	✓			33.5		10.1	✓	2	–					
	✓			34.8		14.4	✓	2	+, +T					
420				32.2		10.0	✓	2	–			Z1410		
#22 ✓				31.7		9.1	✓	NO SCALES	–					
	✓			32.0		9.2	✓	2	–				½D	
				33.5		10.7	✓	2	–			Z1201		
	✓			30.5		7.8	✓	2	–					
425	✓	✓		31.5		9.0	✓	2	–				½D	
				29.5		7.5	✓	2	–			Z 58		
	✓			31.1		7.8	✓	2	–					
	✓			34.7		9.8	✓	2	–					
	✓			27.5		6.7	✓	1+	–				Ab	
430	✓			41.0		20.0	✓	2+	–				BNW dart 01653 no radio	✓
	✓			34.5		13.6	✓	2	–				½D	
				31.5		9.3	✓	2	–			Z1486		✓
	✓			38.2		19.7	✓	2+	–					✓
	✓			31.3		10.0	✓	2	–					
435				31.7		9.2	✓	2	–			Z1212	½D	
	✓			31.3		9.9	✓	2	–					✓
	✓			32.3		9.3	✓	2	–					
	✓			34.0		10.6	✓	2	–					
				31.0		8.3	✓	2	–			Z1447		
440				25.8		5.4	✓	1	–		4205			
#23				26.2		5.5	✓	1+	–		4207			
				26.7		6.3	✓	1+	+			Z 571		
							✓	1+	–		4215			✓
	✓			38.0		19.4	✓	3	NO BONE					✓
5/3 445	✓			31.6		8.7	✓	2	–				R. PECT.	
	✓			31.7		9.9	✓	2	–					
				33.7		12.5	✓	2	–			Z2322		
	✓			31.1		8.1	✓	2	–					
	✓			31.0		8.1	✓	2	–					
450	✓			33.1		12.9	✓	2	–					

MARKED
1977 STEELHEAD SPAWNING DATA

FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	ID. F & G JAW TAG NO.	OTHER BRANDS, ETC.	Group Dors. Fin
451	✓			✓		30.4	8.1	–	2				✓
	✓				✓	25.3	5.0	+	1+				
				✓		32.5	10.1	+	2+		Z2349		
	✓			✓		32.6	10.1	–	2				✓
455	✓	✓			✓	31.6	9.7	–	2			½D	
	✓				✓	35.3	14.7	–	BAD				
	✓			✓		30.3	9.3	+	2			partial D	
	✓			✓		33.2	11.7	–	2				
	✓			✓		32.5	10.3	–	2+				
460				✓		32.0	9.0	–	2		Z1453		
#24 ✓				✓		30.0	9.6	–	2				
	✓			✓		31.6	8.4	–	2				✓
					✓	25.2	5.2	–	1+	543			✓
	✓			✓		32.1	9.5	–	2				✓
465	✓			✓		34.1	11.2	–	2				
	✓			✓		36.0	12.5	+	2+	6386			
	✓			✓		35.0	12.0	–	2				
	✓			✓		34.5	10.9	–	2				
				✓		33.2	11.5	–	2+		Z1236		
470				✓		33.5	12.0	–	2		Z2033		
	✓			✓		32.2	10.7	–	2				
	✓			✓		32.6	9.7	–	2				✓
	✓				✓	34.1	13.5	–	2				✓
	✓				✓	33.2	11.7	–	2				✓
475	✓			✓		31.2	9.1	–	2				
	✓				✓	34.2	11.1	–	2				✓
5/10 ✓					✓	34.0	12.7	–	2				
	✓				✓	33.0	11.2	+	2				
	✓	✓		✓		31.5	9.6	–	2				
480	✓				✓	31.6	10.2	–	2				
#25 ✓					✓	34.2	13.4	–	2				
	✓			✓		34.5	12.6	–	2				
	✓				✓	35.0	16.3	–	2+				
					✓	24.7	5.0	–	1+		Z 574		✓
485	✓				✓	36.5	15.5	–	2+				
	✓	poss. ✓		✓		31.1	8.8	–	2				
	✓				✓	30.0	10.7	–	2+				
	✓			✓		31.0	9.3	–	2				
	✓	✓		✓		33.3	10.6	–	2				✓
490	✓				✓	33.1	11.8	–	2+				
				✓		24.8	4.5	–	1+		Z591		
	✓				✓	35.8	15.0	–	2+				
				✓		32.0	9.3	–	2		Z1475		
	✓				✓	33.0	11.0	–	2				
495	✓			✓		30.5	7.9	–	2				

MARKED
1977 STEELHEAD SPAWNING DATA

	FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG NO.	ID. F&G JAW TAG NO.	OTHER BRANDS, ETC.	GOOD DORS. FIN
	496	✓				✓	33.0	11.8	2	–				
		✓				✓	32.1	10.3	2	–				
		✓				✓	35.0	14.0	2+	–			L.PECT.	
		✓				✓	33.0	11.5	2	–				
	500					✓	25.8	5.7	1+	–	4222			
#26		✓			✓		34.1	12.1	2	–				
		✓			✓		32.0	9.6	2	–				
		✓				✓	34.2	13.7	2+	–				
		✓				✓	35.2	12.1	2+	–				
	505	✓				✓	36.3	16.1	3	–				
		✓			✓		30.0	7.9	2	–				
		✓			✓		31.7	9.5	2	–				
					✓		33.1	10.7	2	–		Z1493		
		✓				✓	34.2	13.8	2	–				
	510	✓				✓	35.1	14.1	BAD	–				
		✓				✓	34.2	12.1	2	–				
		✓			✓		23.0	3.6	1	+5				
		✓			✓		23.4	3.4	1	+2				
					✓		33.2	9.7	2	–		Z1490		
	515	✓			✓		32.7	11.0	2	–				
		✓				✓	32.5	14.5	NO SAMPLES—D.I.P.					
		✓		✓		✓	37.0	15.5	BAD	–				
		✓				✓	36.3	16.2	2+	–				
		✓				✓	25.4	5.1	1	+				
	520	✓				✓	36.5	15.7	2+	–				
#27		✓				✓	31.3	10.0	2	–				
		✓				✓	32.2	10.8	2	–				
		✓				✓	35.0	13.4	2+	–				
		✓				✓	34.5	14.4	2	–				½D
	525	✓				✓	35.3	15.9	2	–				
		✓				✓	32.5	10.4	2	–				
		✓				✓	33.7	10.5	2	–				
		✓				✓	32.8	11.1	2	–				
		✓				✓	32.0	9.7	NO SCALES	–				
	530	✓				✓	32.8	11.6	2	–				
		✓			✓		31.8	9.8	2	–				
					✓		29.7	7.7	2	–			L.ANT. W	
		✓				✓	34.6	14.4	2	–				
						✓	26.0	5.8	1+	–		Z 577		
S/M	535				✓		32.8	8.5	2	–		Z1477		
					✓		26.0	4.7	2	–	486			
						✓	26.8	6.2	2	–	4223			
		✓				✓	33.8	12.6	BAD	–				
					✓		32.7	10.7	2	–		Z1438		
	540					✓	25.0	5.3	1	–	305			

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FISH NO.	CLIPS AD	CLIPS LV	CLIPS RV	SEX F	SEX M	LENGTH (inches)	WEIGHT (lbs.)	SCALE AGE	TETRACYCLINE BONE RINGS	NMFS JAW TAG #	ID. F+G JAW TAG #	OTHER BRANDS, ETC.	GOOD DORS. FIN
541	✓				✓	32.2		NO SCALE				DIP	
	✓				✓	31.3	12.3	2	–				
	✓				✓	33.3	12.6	2	–				
				✓		32.3	10.0	2	–			R+L PECT.	
545				✓		34.5	12.5	2	–			BAIN TAG 01572 509948-2939	